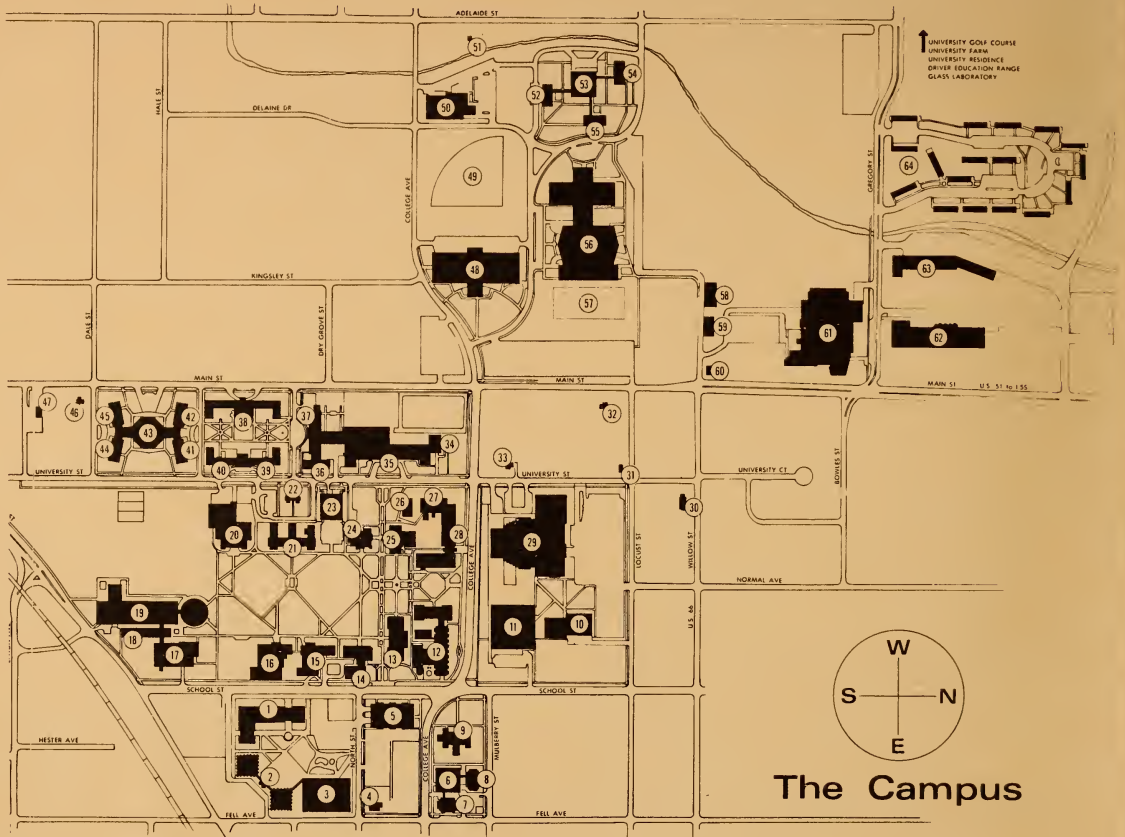




Illinois  
State  
University

1975-76  
**Undergraduate  
Catalog**



## The Campus

1. Stevenson Hall
2. Watterson Towers
3. Watterson Commons
4. Educational Administration Annex
5. East Gate Hall
6. Vrooman Center
7. Hewett Hall
8. Manchester Hall
9. Information Phones
10. Bowling-Billiards Center
11. Site of New Library
12. Felmley Hall
13. Moulton Hall
14. Hovey Hall (Administration)
15. Educational Media Center
16. Milner Library
17. Centennial East
17. Westhoff Theatre
18. Centennial West
19. Center for the Visual Arts Gallery
19. Center for the Visual Arts
20. McCormick Hall
21. Fell Hall International House
21. Housing Office
22. Rambo Alumni/Foundation House
23. DeGarmo Hall
24. Cook Hall
25. Edwards Hall
25. Capen Auditorium
26. Vidette
27. Heating Plant
28. Schroeder Hall
29. University Union/Auditorium
30. HPS Special Services
31. Student Association
32. Campus Recreation
33. Stenographic Services
34. Hayden Auditorium
35. Metcalf School
36. Cooper Health Service
37. Fairchild Hall
38. Walker Hall
39. Barton Hall
40. Dunn Hall
41. Hamilton Hall
42. Whitten Hall
43. Feeney Center
44. Colby Hall
45. Atkin Hall
46. University Architect
47. Placement Service
48. Turner Hall
49. Redbird Baseball Field
50. Parking Services
50. General Services Building
51. Eyestone School Museum
52. Wilkins Hall
53. Linkins Center
54. Wright Hall
55. Haynie Hall
56. Horton Physical Education Building
57. Hancock Stadium
58. Judging Pavilion
59. Machinery Hall
60. Hudelson Farm Museum
61. University High School
62. Green Food Service Building
63. Carter Harris Physical Plant
64. Cardinal Court

**Illinois  
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**1975-76  
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# Board of Regents

J. Robert Barr, Evanston, *Chairman* (1971-1977)  
Michael J. Brady, Springfield (1973-1979)  
A. L. Knoblauch, Roseville (1969-1975)  
David E. Murray, Sterling, *Vice Chairman* (1972-1975)  
James M. Patterson, Chicago (1972-1975)  
Guy C. Prisco, Aurora (1974-1980)  
Charles B. Shuman, Sullivan (1971-1977)  
Mrs. Warren F. Spencer, Chicago (1971-1977)  
Ms. Eleanor R. Suggs, Phoenix (1973-1979)  
Ms. Edith R. Terwilliger, Champaign, Representing State Superintendent of Public Instruction

## Student Members

Dan Taylor, Normal (Illinois State University)  
Joe Lucarelli, DeKalb (Northern Illinois University)  
Claude Knuepfer, Springfield (Sangamon State University)

## Executive Director

Franklin G. Matsler, Springfield

# University Administrative Officers

## President

Vice President and Provost (Acting)  
Dean of Undergraduate Instruction  
Dean of Academic Services  
Dean of the Graduate School (Acting)  
Dean of the College of Applied Science  
and Technology  
Dean of the College of Arts and Sciences  
Dean of the College of Business  
Dean of the College of Education (Acting)  
Dean of the College of Fine Arts  
Vice President and Dean of Student Affairs  
Secretary of the University

Gene A. Budig  
Arlan C. Helgeson  
Stanley G. Rives  
Francis B. Belshe  
Charles A. White

Charles B. Porter  
Barbara S. Uehling  
E. Frank Harrison

Robert H. Moore  
Charles W. Bolen  
Neal R. Gamsky  
Charles E. Morris

# 1975

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# 1976

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# University Calendar, 1975-1976

## 1975 Summer Sessions

May 19	Opening of Presession.
June 23	Opening of and registration for eight-week summer session.
June 27	Last day for late registration and course changes.
July 11	Last day for both undergraduate and graduate students to apply for graduation at end of eight-week session.
Aug. 1	Last day to drop a course.
Aug. 14-15	Evaluation and review period.
Aug. 15	Eight-week session ends.

## 1975 First Semester

Aug. 21-22	Registration. See class schedule booklet for specific registration schedule.
Aug. 21	Registration for late afternoon, evening, and Saturday classes. See class schedule booklet for specific registration schedule.
Aug. 25	Classes begin.
Aug. 29	Last day for late registration and course changes.
Sept. 1	Labor Day holiday.
Oct. 3	Last day for both undergraduate and graduate students to apply and pay fee for graduation in December.
Oct. 11	Homecoming.
Oct. 17	Last day of first nine-week classes.
Oct. 20	Second nine-week classes begin.
Nov. 26	Thanksgiving vacation begins at noon.
Dec. 1	Classes resume, 8 a.m.
Dec. 13-19	Evaluation and review period.

## 1976 Second Semester

Jan. 8-9	Registration. See class schedule booklet for specific registration schedule.
Jan. 8	Registration for late afternoon, evening, and Saturday classes. See class schedule booklet for specific registration schedule.
Jan. 12	Classes begin.
Jan. 17	Last day for late registration and course changes.
Feb. 20	Last day for both undergraduate and graduate students to apply and pay fee for graduation in May.
March 5	Spring vacation begins after scheduled classes. Last day of first nine-week classes.
March 15	Classes resume, 8 a.m. Second nine-week classes begin.
May 8-14	Evaluation and review period.
May 15	One-hundred-seventeenth annual commencement.

## 1976 Summer Sessions

May 17 —	
June 18	Presession.
June 21 —	
Aug. 13	Eight-week summer session.
July 5	Holiday.







# Illinois State University

## Introduction to Illinois State University, 8

Twelve decades of University history . . . Brief descriptions of the Colleges of Arts and Sciences, Applied Science and Technology, Business Education, and Fine Arts . . . Information about academic calendar, accreditation, location, campus, University Library, the Summer Sessions, and using the Undergraduate Catalog.

## Admission to the University, 10

How to apply for admission to Illinois State University . . . Student classifications, admission requirements for various student classifications . . . Information about Summer Preview, orientation, and registration.

## Costs, Living Accommodations, Financial Aids, 12

What it costs to attend the University . . . Living accommodations in and costs of residence halls and family housing units . . . Information about University Housing Policies . . . Information about student financial aids — how the federal government, the State of Illinois, and the University can assist students in meeting the costs of higher education.

## Academic Opportunities and Policies, 16

Special academic opportunities available through the High Potential Students Program, International Studies, National Student Exchange, Honors Program, Undergraduate Teaching Assistantships, and Residential Programming . . . Detailed information about academic standards — the grading system, academic requirements and honors, class registration and attendance, withdrawal policies, and credit by examination.

## University Activities, Services, and Organizations, 23

Description of special student services available at Illinois State, student activities and organizations on the campus, and University offices providing services in support of the academic program.

# Introduction to Illinois State University

## Twelve Decades

A free society depends upon an enlightened citizenry, capable of making wise and responsible choices. Illinois State University is committed to serve the citizens of Illinois and the nation through the communication of knowledge (teaching), creation of new knowledge (research), and application of knowledge (service). Illinois State strives to provide students with the finest undergraduate education available in Illinois and to provide graduate programs which complement that primary effort. In meeting these commitments, the University recognizes its responsibilities to:

Admit and retain qualified and enterprising students.

Secure and retain highly qualified and dedicated faculty and staff.

Provide an intellectual and social climate conducive to the fullest development of students.

Maintain high academic and professional standards for students, faculty and staff of the University.

Provide classrooms, libraries, laboratories and other facilities necessary to quality bachelor's, master's and doctoral educational programs.

Encourage students and faculty to contribute to new understandings through research activities.

Provide community and public service programs which are responsive to the needs of society and are consistent with the responsibilities and mission of the University.

The University was founded in 1857 as Illinois State Normal University, the first public institution of higher education in Illinois. Graduate work at the master's level was introduced in 1943. After more than a century as a single-purpose teacher education institution, the decade of the 1960s brought several significant changes for Illinois State including the expansion of purpose to offer liberal arts as well as teacher education programs, introduction of doctoral level programs, governance by the Board of Regents, and renaming of the institution as Illinois State University.

Heritage is a source of pride for Illinois State as it looks back upon its development from a teachers college in the mid-nineteenth century to a comprehensive university in the 1970s. Twelve presidents have guided the University during its 117 years; Charles Hovey, 1857-1861; Richard Edwards, 1862-1876; Edwin C. Hewett, 1876-1890; John W. Cook, 1890-1899; Arnold Tompkins, 1899-1900; David Felmley, 1900-1930; Harry A. Brown, 1930-1933; Raymond W. Fairchild, 1933-1954; Robert G. Bone, 1956-1967; Samuel E. Braden, 1967-1970; David K. Berlo, 1971-1973, and Gene A. Budig, 1973-.

Illinois State enrolls more than 19,000 students (19,450 in the fall of 1974) and has a faculty of over 1,200. Another 8,000 students enroll in the summer sessions. Students are primarily Illinois residents but most other states and 40 other nations are represented in the student body.

## Colleges

### Arts and Sciences

The College of Arts and Sciences provides the opportunity for a liberal education in addition to attainment of career-oriented skills. The College includes the Departments of Biological Sciences, Chemistry, Economics, English, Foreign Languages, Geography-Geology, History, Information Sciences, Mathematics, Philosophy, Physics, Political Science, Psychology, Sociology-Anthropology and Speech Pathology-Audiology. The College offers the core of the University Studies program required of all undergraduates, a wide range of academic major and minor programs for meeting baccalaureate degree requirements, master's programs in most disciplines, and doctoral programs in Biological Sciences, Economics, History, and Mathematics. Course offerings span the humanities, social and behavioral sciences, natural sciences and mathematics.

### Applied Science and Technology

The Departments of Agriculture, Home Economics and Industrial Technology, and Health, Physical Education and Recreation, the Center for Allied Health Professions, and the Program in Corrections constitute the College of Applied Science and Technology. Undergraduate and graduate programs of the College are designed to prepare students for positions as professional educators in all types of educational institutions as well as for vocational and technical careers in business, industry and government.

### Business

The primary mission of the College of Business is to prepare undergraduate and graduate students to meet the needs of industry, government, and other organizations in the areas of management, marketing, accounting, finance, business law, office management, and other business disciplines. The College also prepares students to meet the needs of educational institutions in the teaching of business education. The College offers bachelor's and master's degrees in the Departments of Accounting, Business Administration, and Business Education. Particular emphasis is accorded the practical aspects of management in addition to theoretical principles and concepts. The College maintains a strong relationship with industrial and other organizations in the Illinois area which affords students opportunity for research projects, business internships and placement.

### Education

The College of Education, which includes the Departments of Curriculum and Instruction, Educational Administration and Special Education, has three broad missions: (1) preparation of individuals to serve as instructional, supervisory and administrative personnel in all types and levels of educational institutions; (2) systematic study of educational problems and developments in their broad context and the related



preparation of scholar-practitioners in the field of education, and (3) participation in service activities designed to improve the quality of the educational enterprise. The College administers clinical experiences and an admission-retention program in undergraduate teacher education in addition to offering a wide range of graduate programs, including a doctoral program in Educational Administration.

## Fine Arts

The primary function of the College of Fine Arts and its Departments of Art, Music and Theatre is to provide professional training in the arts for students preparing to be elementary, secondary and college teachers and for students desiring professional careers in select areas of the arts. Various areas of concentration in undergraduate and graduate studies, including MFA programs and a doctoral program in Art, provide flexible curricula for a variety of student talents and interests. The College also provides a cultural environment through the performing and visual arts for the campus, community and region.

# Information About

## Academic Calendar

The University operates on the early semester plan, with the fall semester beginning in late August and ending before Christmas. The spring semester starts in mid-January and terminates in mid-May, with a spring vacation break provided in March.

## Accreditation

Illinois State is fully accredited by the North Central Association of Colleges and Secondary Schools and the National Council for Accreditation of Teacher Education.

## Location

Illinois State, located in the twin cities of Bloomington-Normal with a population of approximately 80,000, is easily accessible by car, bus, train or plane. Amtrak offers train service from and to Chicago, Milwaukee, St. Louis and points along the way. Various bus lines provide service to all points in the State. Ozark Airlines has daily passenger service to Chicago and St. Louis. Bloomington-Normal is reached by perhaps the best highway system in the State with the cities serving as the hub for Interstates 74 and 55 and U.S. 51, the major North-South route in Illinois.

Bloomington-Normal is a metropolitan community where State Farm Insurance Companies, Illinois Agricultural Association and General Telephone Company of Illinois have located their home offices. General Electric, Firestone, and other firms have major facilities in the twin cities. Other nearby institutions of higher education are Illinois Wesleyan University, Eureka College, Lincoln College, Millikin University, Illinois Central College and the University of Illinois. Illinois State has cooperative arrangements with these schools.

## Campus

The tree-shaded campus of Illinois State University, covering 711 acres, is a study of varying architecture, ranging from the castle-like appearance of Cook Hall to the modernistic dominance of the 28-story twin Watterston Towers residence halls.

Major classroom buildings are clustered in a central core, surrounded by recreational, social and residence

structures, and library. As a result, students have no difficulty in walking to their next classes within the usual 10-minute break period.

There are 54 major buildings on the campus, most of which have been built during the past two decades. The compact nature of the campus also makes it convenient to adjacent downtown Normal and theatres, shops and restaurants.

A hallmark of the University is its spacious central mall, which has trees of nearly every variety which will grow in Illinois, some of which were planted by Jesse Fell, one of the founders of Illinois State, in the late 1850s.

In addition to the major building clusters, there are the 18-hole University golf course, a 310-acre University farm, recreational fields, and other open areas for student and public relaxation.

For use by the University and surrounding Central Illinois community, Illinois State also has a 3,500-seat Auditorium, a University Union and a recreation center for bowling and related activities. Athletics are centered in the 8,500-seat Horton Field House and Hancock Stadium, with the first all-weather playing surface in the State.

Residence structures include high rise buildings of 28, 18, 12 and 10-story heights, as well as more traditional halls of only a few stories. There are also family apartments at Cardinal Court and Shelbourne Drive.

Culture and the arts play an integral part in the daily life of the University community, with such facilities as the Ewing Museum of Nations in Bloomington, the Adlai E. Stevenson Memorial Room, Funk Gem and Mineral Museum, University Museum of General History, Eyestone One-Room School House, and the Hudelson Museum of Agriculture. Art galleries may be found in the Center for the Visual Arts, Union and Hovey Hall.

## University Library

The collections of the University Library include 626,400 cataloged books and 188,700 U.S. Government publications, a total of 815,100 volumes. Many thousand additional publications are available in miniature in 32,900 reels of microfilm and 644,000 microcards and sheets of microprint. The Map Collection contains 213,600 maps and other cartographic items and a record collection of 11,800 phono-records of music and literature is available.

The Library's membership in the Center for Research Libraries makes the resources of that 3,000,000-volume collection available for members of the faculty and students. A teletypewriter in Milner Library links the Library with more than a hundred research libraries throughout the country, and a courier service brings books from the University of Illinois Library twice weekly. A new \$8,000,000 library building now under construction is expected to be available for use in 1975-76.

## Summer Sessions

The University provides credit course work during the 13-week summer period. There is a five-week pre-session, a regular session of eight weeks, and short courses and workshops throughout the total period. Courses also are offered off campus. Regular courses under the regular instructors are offered during the summer so that students may take the same type of work as that offered during the first and second semesters. Limited student teaching and internship facilities are available during the eight-week session for those who are qualified. Prospective students may secure the annual *Summer Catalog* by writing to the Director of the Summer Session. This catalog lists courses, costs, special offerings, conferences, exhibits and other information for the eight-week session, for short courses and for the pre-session.

# Using the Catalog

This *Undergraduate Catalog* contains general information about admissions, costs, student financial aid, academic opportunities and policies, and student services and activities. Additional information is provided in the *University Handbook*, available on campus. A wide variety of undergraduate programs (majors and

minors) in 51 separate fields of study are described, and students should consult the Academic Program section for a description of the requirements of each of these programs as well as general requirements for graduation. Undergraduate courses offered by the 28 departments of the University are also described in this Catalog, although students should consult the *Class Schedule* published each semester for specific information about courses scheduled that semester. A separate *Graduate Catalog* describes graduate programs and courses.

# Admission to the University

## Application Procedures

Students making application for admission may secure the necessary forms by writing to the Office of Admissions and Records, Illinois State University, Normal, Illinois 61761.

After the prospective freshman completes the application form, it should be kept in the pre-addressed envelope, and given to the high school counselor. The counselor then will certify the rank in class and send it, along with any letters of recommendation, directly to the Office of Admissions and Records. The transfer student should complete and return the application to the University. In addition, the transfer student will need to submit transcripts of all previous college or university work.

Applications ordinarily will be processed within two weeks of the receipt of the completed application and the student will be notified of his or her status. If an applicant receives a "Certificate of Admission," an application may be made to the Housing Office for residence hall space or help in locating off-campus rooms. A "Certificate of Admission" does not guarantee space in a residence hall.

Each application for admission into a degree program must be accompanied by a non-refundable fee payment of \$15.

An applicant may be admitted at the beginning of either semester or for the summer session. The Office of Admissions and Records, however, cannot guarantee that an application will be processed if it does not arrive at least seven (7) days prior to the opening date of a semester or session.

Students applying for admission as freshmen may indicate choices of academic major. If a choice has not been made by the time applications are submitted, prospective students may indicate that they are undecided about the academic major they intend to enter. A student admitted before choosing a major will be designated a "general student." Before beginning the sophomore year, a general student should make a choice and indicate a major field of study.

The University reserves the right to limit enrollments in programs because of the receipt of more applications than can be accommodated and/or budget limitations. Students therefore are encouraged to submit admission applications early.

## Student Classifications

The University has four classifications for new students entering the University. They are:

1. Beginning freshman student. A person who has never registered at any college.
2. Transfer student. A person who has, at some time, registered at another college, whether or not the student completed any work.
3. Unclassified undergraduate student. One who desires to avail himself or herself of instruction offered in any of the departments of the University without undertaking one of the regular academic majors and without becoming a candidate for a degree.
4. Graduate student. A person who has completed at least a four-year baccalaureate degree and wishes to do advanced study. He or she may or may not be interested in earning an advanced degree at this University.

The admission requirements for acceptance for each of the classifications listed above are the same regardless of the semester or session for which a student applies. The specific requirements for the undergraduate classifications are listed below.

## General Admission Requirements

Many factors are considered in evaluating an applicant's preparation and readiness for admission to the University. Among items considered are high school program of studies, rank in class, standardized test scores, recommendations from officials of schools attended, and any previous college work.

### Freshman Tests

All new beginning students, and transfers who present fewer than 15 semester hours of college credit, must present ACT scores, sent directly from the Test Center at Iowa City, Iowa. Non-resident students may submit scores on the Scholastic Aptitude Test (SAT) from the College Entrance Examination Board if that test is the one primarily used in their home states. If



Illinois State University had not been specified to receive SAT or ACT scores at the time the test was taken, the applicant must ask the American College Testing Program, Box 168, Iowa City, Iowa, or the Educational Testing Service, Princeton, New Jersey, to send scores directly to the University. ACT or SAT scores listed on high school transcripts are not acceptable. Regardless of class rank, all students are expected to have ACT or SAT scores on file.

## Medical Requirements

1. All students admitted to Illinois State are required to file a Medical History with the University Health Service on or prior to registration for 12 or more semester hours or upon entitlement to University Health Services by other means.

2. A University medical History form will be mailed to new students by the Health Service. This Medical History form should be completed and returned immediately. If the student does not receive the form within 30 days of the beginning of the semester, the student is requested to write for one.

3. Tuberculosis Tests — All students must submit verification of the results of a TB skin test or chest x-ray accomplished within the previous year with their Medical History.

## Specific Admission Requirements

### Beginning Freshmen Students

The general requirement for admission is graduation from an approved high school with an academic record and entrance test scores which meet the minimum standards of the University. Prospective students still in high school may apply for admission to the University when they are able to present the basic kinds of academic preparation indicated below. In addition to the applicant's high school rank and ACT or SAT scores, the Admissions Committee considers such important characteristics as intellectual curiosity, leadership potential, character and special abilities.

Prospective students are encouraged to apply after completion of their junior year. Applications are processed until enrollment capacities have been reached.

1. Illinois residents must rank in the upper half of their graduating classes or have an equivalent score on the composite standard score of the ACT.

2. Out-of-state residents must rank in the upper one-half of their high school classes and have an equivalent score on the composite standard score of the ACT or SAT.

3. Consideration for admission will also be given to a limited number of applicants who possess certain special abilities as judged by the Admissions Committee.

### Transfer Students

Students currently enrolled at another four-year institution usually will be considered for admission to Illinois State University only during the last regular term of their attendance at that institution.

1. A transfer student must present an overall "C" average for all college work completed, and the final transcript from the last school attended full time must show a statement of "Good Standing." Any additional part-time study will also be examined.

2. Students currently enrolled at Illinois public community colleges may find it advantageous to com-

plete the associate degree. Illinois State University has a compact with these institutions which provides that each student who earns an associate degree in a baccalaureate-oriented sequence will enter Illinois State with junior standing and with all general education (University Studies) requirements completed.

3. After approval for admission, the Office of Admissions and Records will send the student and the student's academic adviser a statement of how the transferred credit may be used to meet curricular requirements at Illinois State University.

4. Transfer credit from two-year institutions is limited to 66 semester hours plus a maximum of 4 semester hours of physical education, plus military credit.

## Unclassified Students

1. An applicant must meet the regular requirements for admission as specified for beginning freshmen or transfer students above, or possess a high school diploma and give evidence of prerequisite background for the course desired.

2. Students currently enrolled in other colleges or universities and who plan to continue there may attend a summer session at Illinois State University by submitting a statement indicating current attendance in "Good Standing" from the school they are attending.

## Readmission of Former Students

Students returning to the University after a lapse of one semester or more apply for readmission through the Office of Admissions and Records. Processing cannot be guaranteed if the application is not received seven (7) days prior to the beginning of registration for the session which they wish to attend. Students must indicate on the application if they have attended another college since last attending Illinois State University.

A former student who has been dropped for poor scholarship from Illinois State University must clear this status with the Assistant to the Dean of the University in the Academic Advisement Office before being readmitted. It is advisable for the student in this category to contact the Assistant to the Dean of the University several weeks prior to the date of the anticipated return to the University.

## Admission of Undergraduates to the Graduate School

All students interested in graduate study at Illinois State should consult the *Graduate Catalog*. A senior in good standing at Illinois State may begin graduate work during the academic year that person completes the requirements for the bachelor's degree, if he or she applies for and is admitted to the Graduate School. During a semester the student may not register for more graduate credit than the difference between fifteen hours and the number of hours required to complete the bachelor's degree. During the summer session, the student may not register for more graduate credit than the difference between eight hours and the number of hours required to complete the bachelor's degree. It is understood that graduate credit may be received for graduate courses only if requirements for the bachelor's degree are completed during the semester or summer session in which the student begins graduate work. This opportunity is also extended to last semester seniors of other universities who find it possible to take graduate work at this University while completing requirements for the bachelor's degree on their own campuses. Interested students should write to the Dean of the Graduate School for further information.



# Orientation and Registration

## Summer Preview ISU

Preview ISU is a two-day program offered during the summer for all new freshmen and their parents and a one-day program for transfer students. Invitations to participate are sent to the student and parent during the spring. Preview offers an opportunity for the parent and the student to discuss various dimensions of college life

with the faculty, staff, and students of Illinois State. In addition, academic advisement and registration for the first semester are provided.

## Orientation and Registration

Orientation Days for students who are not able to attend Preview ISU are provided during the opening week of the fall semester. Similar activities are conducted during the first week of the spring semester for students entering at that time.

Students register for classes each session according to a published *Class Schedule*. Detailed information concerning registration procedures for a given session may be found in the *Class Schedule*.

# Costs, Living Accommodations and Financial Aids

## Tuition and Fees

### Tuition and Fees per Semester

#### Full-Time Student Costs

Students who register for 12 or more semester hours pay the following tuition and fees, which are **subject to change** by action of the Board of Regents or General Assembly.

	Residents	Non-Residents
Tuition .....	\$202.00	\$532.50
Activity and General Service fee .	33.50	33.50
Student Health Insurance fee ...	13.00*	13.00*
University Union Fee .....	38.00	38.00
Recreational Facilities fee .....	9.00	9.00
Health Service fee .....	10.00	10.00
	<hr/>	<hr/>
	\$305.50	\$636.00

\*1974-75 charge with 1975-76 fee dependent upon new contract.

#### Part-Time Student Costs

Students who register for fewer than 12 semester hours pay the following tuition and fees, which are **subject to change** by the Board of Regents or General Assembly.

	Residents	Non-Residents
Tuition per semester hour .....	\$ 18.00	\$ 45.00
General Service fee* .....	10.00	10.00
University Union fee .....	19.00	19.00

\*Students registered for more than six but fewer than 12 hours may purchase an activity ticket by paying

the Activity and General Service fee of \$33.50 instead of the \$10 General Service fee. Students registered for more than six but fewer than 12 hours may also pay the Student Health Service fee in order to obtain the services provided.

Students who audit a course (take a course without credit) are charged tuition at the rate of \$18 per credit hour to a maximum of \$202.

#### Residents and Non Residents

A student under 18 years of age is a non-resident if that student's parents are not legal residents of Illinois. A student over 18 years of age is a non-resident if the student is not a legal resident of Illinois at the time of registration. The director of Admissions and Records is responsible for applying out-of-state fees.

#### Special Fees

Admissions application fee .....	\$15.00
Bachelor's Degree Graduation fee .....	10.00
Late Registration fee (after scheduled registration days) .....	10.00
Locker and Towel fee for students in physical education activity courses .....	2.00
Transcript fee (for each transcript) .....	1.00

Transcripts are issued only after all student obligations have been met.

## Health and Accident Insurance

Each full-time student (12 or more semester hours) is assessed a fee to purchase a health and accident insurance policy. This policy provides for 100 per cent payment of the first \$500 of reasonable hospital expenses and 80 percent of such expense above \$500. It covers 80 per cent of the reasonable expense for a surgeon or certain physicians' fees other than those for surgery. There is also an allowance for consultation and ambulance fees. The maximum amount payable for any one accident or sickness is \$10,000. The student's coverage is effective on the date on which University classes begin. Minor changes in coverage may result from the establishment of

a new contract with the insurance carrier for 1975-76.

Those students who can produce evidence of equal or better coverage may apply for a refund of the insurance fee by contacting the Office of University Insurance. Application must be submitted prior to the tenth class day following the first day of regularly scheduled classes.

Coverage for a student's spouse and children may be obtained at an additional cost in the Office of University Insurance if applied for prior to the tenth class day following the first day of regularly scheduled classes.

Students who wish to maintain continuous year-round coverage may purchase coverage for the summer period whether or not they are enrolled in summer school. This should be done prior to the Spring Commencement date. The five-weeks period between Commencement and the start of Summer session is not covered in any registration fees and coverage must be purchased separately before the end of the spring semester.

Claim forms and brochures explaining the coverage are available in the Office of University Insurance.

## Payment of Tuition and Fees

Tuition and registration fees must be paid at or near the opening dates of the semester by the dates specified in the *Class Schedule* booklet. Tuition and fees are subject to change by action of the Board of Regents or General Assembly.

## Refund Policy

A student who has registered and officially withdraws from the University prior to the tenth day following the first day of regularly scheduled classes may receive a refund of all registration fees.

A student who changes from full-time to part-time status prior to the tenth day following the first day of regularly scheduled classes shall receive a refund of all registration fees not applicable to part-time status. A student receiving a refund of fees will not be eligible for activities and benefits covered by such fees.

For the first semester, the last day to withdraw with eligibility for refund is September 8, 1975. For the second semester, the last day for refunds is January 23, 1976. No refunds are authorized for withdrawal after those dates. The statement of the refund policy for University housing is a part of the housing contract.

## Estimated Total Yearly Expenses

Because the University is a state institution, the cost of attendance is relatively low. Estimated total expense for two semesters is approximately \$2,800 including living expenses.

# Campus Living Accommodations

## Residence Halls and Family Housing Units

The University owns and operates Residence Halls which provide living accommodations for approximately 8,000 students. These facilities have been designed to provide not only basic living requirements but also counseling, advising, educational and recreational programs. The University regards Residence Hall living as an important part of University life and requires that certain students reside in the Residence Halls as a condition of enrollment.

The Residence Halls provide excellent housing on the campus as well as a controlled environment with proper maintenance. Room assignments are made after consideration of each student's choice, not only of location, but also of living style. Arrangements may be made to spread Residence Hall payments over a period of time to aid in easy budgeting for an academic year.

The room and board rate in a Residence Hall is \$637 per semester for multiple occupancy and 20 meals per week. Single rooms are available at an additional \$75 per semester. For students electing a 15-meal contract, which eliminates weekend meals, there is a reduction of \$15 per semester from the basic contract. Student rooms are fully equipped but the student is expected to furnish linens, towels, blankets and bedspreads. Pillows will be made available upon request, but for sanitary reasons, students are urged to provide their own bed pillows.

The University also owns and operates family units at Cardinal Court and Shelbourne Drive. There are 192 apartments in Cardinal Court. The 122 one-bedroom units rent for \$90 per month; the 70 two-bedroom units rent for \$105 per month. There are 100 air-conditioned units at Shelbourne Drive. The 50 one-bedroom units rent for \$120 per month; and 50 two-bedroom apartments rent for \$145 per month.

These facilities are managed by the Office of University Housing. Inquiries regarding housing should be addressed to that office. In the event that there is not sufficient space in Residence Halls or University Apartments, the Office of University Housing will provide assistance in securing housing in the community.

## Housing Policies

### On-Campus

Illinois State University modified its on-campus living requirement, effective with the fall semester of 1973-74, by substituting a semester-based standard for the age standard. Entering freshmen who have not previously attended this University must reside in University-operated Residence Halls for their first four (4) semesters in residence. Students transferring to this University as sophomores and juniors not previously in attendance, as classified by the Office of Admissions and Records, must reside in University-operated Residence Halls for their first two (2) semesters in residence. These regulations are applicable to all students registered for seven (7) or more semester hours insofar as space is available in University residence halls.

The University may make exemptions for certain categories of students based upon guidelines related to marital status, proximity of home to campus, age, and other pertinent factors. Special consideration will be given to applications for exemption from students who present evidence of plans to live in fraternities, sororities or cooperative houses which meet the criterion of being non-commercial and which were in existence and had met standards of the Town of Normal as of January 1, 1973. This special consideration, which is intended to result in an exemption from the on-campus housing requirement, will apply only for the number of students within the rated capacity of the fraternity, sorority or cooperative house as filed with the University Housing Office as of January 1, 1973, and subject to verification by the Town of Normal.

### Off-Campus

Illinois State University has discontinued its classification of any off-campus housing as being approved by the University. The University has also discontinued its participation in housing contracts issued to students renting space in private housing and does not participate in the inspection of any off-campus housing.



## Appeal Procedure

The University has established, through the University Housing Office, a review and appeal procedure by which students, covered by the University's on-campus living requirement, may apply for exemption. The original action on an application for exemption will be taken by a housing official. An appeal of this action may be taken to an Appeals Committee composed of two members appointed by the Director of Housing, and two students, one appointed by the Association of Residence Halls and one by the Student Association.

# Student Financial Aids

A high percentage of students at Illinois State University secure some form of financial aid to enable them to attend college. Four basic types of financial assistance are made available to students attending Illinois State by the federal government, the State of Illinois, the University or University Foundation, and from various other sources. These four basic types of financial aid include (1) grants and scholarships, (2) loans, (3) part-time employment, and (4) government benefits. All financial aid is coordinated through the Student Financial Aids Office located in Hovey Hall. Students interested in receiving financial assistance must complete necessary application forms before the deadline dates of the various aid programs. For further information, students or potential students should obtain a copy of the Student Financial Aids brochure or contact the Student Financial Aids Office.

## Grants and Scholarships

### State

**Illinois State Scholarship Commission Monetary Award Program (ISSC).** The Illinois State Scholarship Commission Monetary Award Program makes tuition and fee grants available to students on the basis of financial need. The applicant must be a United States citizen and a resident of the State of Illinois, as determined by the legal residence of the parent (or parents) or legal guardian (or guardians). Applications are available from high school counselors or the ISU Student Financial Aids Office and are to be returned to the Illinois State Scholarship Commission located in Deerfield, Illinois. This application procedure is separate from the ACT Family Financial Statement submitted for consideration of other financial aid programs.

**State Military Scholarships.** Veterans may avail themselves of the provisions of the State Military Scholarship Law, provided they have honorable discharges and were residents of the State of Illinois at the time they entered military service. These scholarships, which cover registration and activity fees for four years at the State supported universities only, are administered through the ISU Student Financial Aids Office.

**State Special Education Scholarships.** The State Special Education Scholarships for high school graduates and for certified teachers are made available by legislative enactment to selected high school graduates who agree to take courses that will prepare them to teach handicapped children. To be eligible, a student must be in the upper half of the high school graduating class. The scholarship may be used until a student graduates from college, but it is not valid for more than four years of attendance within a six-year period. This scholarship carries an obligation to teach in Illinois two of three years following graduation, or the amounts received must be repaid to the State of Illinois in total with interest at the

rate of five percent. High school seniors should contact the Superintendent's Office located in their county of residence about this scholarship, which covers tuition and activity fees for each semester and summer session.

**General Assembly Scholarships.** General Assembly Scholarships, which cover tuition and activity fee charges, may be used for four full years. Interested students contact their state Representative or Senator. A competitive type examination may be given to determine eligibility. The student must be a resident of the district from which he or she hopes to obtain the scholarship.

A student awarded a State Scholarship who does not plan to attend during consecutive semesters should notify the agency responsible for the award and request a leave of absence in order to protect the scholarship for the future. State Military Scholarships may be used by students enrolled for classes on or off-campus; other State Scholarships may be used only by persons enrolled on-campus.

**Regents' Tuition Waivers.** These tuition waivers are made available to students with greatest financial need who have not been awarded the Illinois State Scholarship Commission Monetary Award (ISSC). Other award criteria include demonstrated academic achievement, talent in University-related activities, or classification as a foreign student.

## Federal

**Supplemental Educational Opportunity Grants (SEOG).** This program provides grants for students with exceptional financial need. Up to one-half of the actual need of the student may be met by the grant. The other half of the need must be matched by other financial aid administered by the University or the grant may not be awarded. Students interested in applying for an SEOG for the 1975-76 academic year must complete an ACT Family Financial Statement and an ISU Application for Financial Aid (Form A) before March 1, 1975.

**Basic Education Opportunity Grants (BEOG).** This program provides federal financial assistance in the form of grants to students demonstrating need for such assistance. Only those students who began their college education after April 1, 1973 are eligible for these grants. A separate application form for the BEOG is necessary and may be obtained from high school counselors, ISU Financial Aids Office, post offices, and other locations easily accessible to students. Students apply directly to the BEOG Program in Washington, D. C., for determination of eligibility. Students should receive a Student Eligibility Report (SER) within four weeks which will indicate the results of the application. The SER must be submitted to the ISU Student Financial Aids Office where the amount of the BEOG will be calculated.

## University Scholarships

A limited number of Illinois State University Scholarships are available which are awarded on the basis of financial need and/or academic achievement. They are generally restricted to students earning a grade point average of 2.75 or above. Talent scholarships in such areas as art, music, theatre, and athletics are available through individual departments. Competitive academic scholarships (Alumni Distinguished Scholarships and National Merit Scholarships) are administered by the Office of Admissions and Records. Further information concerning specific University scholarships available to students may be obtained by contacting the Student Financial Aids Office.

## Student Loan Program

### Federal

**National Direct Student Loan (NDSL) Program.** This loan program provides long-term student loans



interest-free as long as eligible students are enrolled at least half-time at ISU. The student begins repaying the principal (with three percent simple interest) nine months after leaving school. Students must complete an ACT Family Financial Statement and an ISU Application for Financial Aid (Form A) to apply for this loan. The amount of the loan is determined by a student's exhibited need, federal funds available, and applicable federal guidelines.

## State

**Illinois Guaranteed Loan Program.** (IGLP) Loans are also made available to students through the Illinois Guaranteed Loan Program, which is designed for families with less actual financial need who desire to utilize credit to meet college expenses. If the borrower and family can demonstrate financial need in accordance with federally prescribed formulas, the federal government will pay the interest that accrues on the loan during the period the person is a student. During the repayment period, the annual percentage rate of interest is seven percent and all borrowers must pay this interest as it accrues. Applications for this program can be initiated at a local participating bank, credit union, or at the ISU Student Financial Aids Office.

## University

**Short-Term Loan Program.** The Student Financial Aids Office offers an interest-free loan program for emergency educational expenses. Loans under this program should be sought only when alternative resources are unavailable. Loans are available to currently enrolled students only and must be repaid within 30 days, or 20 days before the end of the semester, whichever occurs first. A fifty-cent processing fee must be paid before funds can be obtained. Students may obtain no more than two loans per semester, or three per academic year. A \$10 service fee will be charged to any student who is delinquent in making full payment after the due date. Students must repay all short-term loans before they will be permitted to register for a subsequent semester at ISU. Short-term loans are to be repaid at the Cashier's Office in Hovey Hall. Philanthropic organizations and individuals have contributed to this loan fund over a period of years. Most of the loan funds are derived from donations made to the ISU Foundation.

## Part-Time Student Employment College Work Study Program

This federally-sponsored program enables students with demonstrated financial need to earn a portion of their expenses while they are enrolled at Illinois State. The federal government pays eighty percent of Work-Study student earnings, while the employer pays the balance. A student employed 10-20 hours per week can usually expect to earn between \$600 and \$1,200 a year. Work-Study students may find jobs on-campus (food service, library, union, department offices) or in non-profit off-campus agencies (hospitals, youth centers, counties, cities, elementary or secondary schools). Work-Study positions are posted on referral boards located outside the Student Financial Aids Office in Hovey Hall. Students may then go directly to the employer for an interview and, if hired, must complete State and federal withholding tax forms in the Payroll Office in Hovey Hall. Work-Study employers must also complete and return a Student Employment Form for all students hired. Students are not permitted to earn more than their Work-Study eligibility as determined by Federal regulations.

## Regular Student Employment

Those students who desire to work on or off-campus



and who have not been awarded Supplemental Educational Opportunity Grant (SEOG), National Direct Student Loan (NDSL), or College Work-Study funds are eligible for any part-time employment positions on or off-campus. Student Financial Aids has information on such employment opportunities.

## Government Benefits

### State Vocational Rehabilitation Education Assistance

Under Public Law 113, the federal and state governments jointly provide rehabilitation services to any disabled individual to enable the person to engage in a remunerative occupation. For detailed information and assistance in making application for State Vocational Rehabilitation Education Assistance, write to the Division of Vocational Rehabilitation, 623 E. Adams Street, P.O. Box 1587, Springfield, Illinois 62706.

### Social Security Benefits

Students not yet twenty-two years of age whose parents are deceased, disabled, or retired may be eligible for Social Security benefits and should contact their local Social Security Office to secure such benefits.

### Veterans Benefits

**G.I. Bill.** Benefits are available for any honorably-discharged veteran of the Army, Navy, Marine Corps, Air Force or Coast Guard who (1) served continuously on active duty for at least 181 days ending after January 31, 1955, (2) served less than 181 days, if active duty was ended by a service-connected disability, and (3) serve presently in the Armed Forces, if they have had at least 181 days active duty. Benefits will be paid a maximum of forty-five months for undergraduate work only. Graduate students are only entitled to thirty-six months. Contact the local Veterans' Administration Office for details.

**Junior G.I. Bill.** Students whose parents died or are permanently and totally disabled from disease or injury incurred or aggravated in the Armed Forces since the beginning of the Spanish-American War are eligible for the Junior G.I. Bill. Children of service men missing in action or prisoners of war for more than 90 days also are eligible. Assistance is available to eligible students during the period which begins on the date of the eighteenth birthday or successful completion of high school, whichever comes first, and ends on reaching the twenty-sixth birthday. Widows and wives may also qualify if the veteran husband is deceased or permanently and totally disabled from service-connected causes, a prisoner of war, or missing in action for more than ninety days.

# Academic Opportunities and Policies

## Special Academic Opportunities

### High Potential Students Program

The High Potential Students (HPS) Program has as its objectives the recruitment and retention of economically or educationally disadvantaged students who, without the financial, academic, tutorial, and counseling assistance provided by such a program, would have less opportunity for a successful college experience. Students are selected for the program after being evaluated on criteria including past academic performance, personal interviews, recommendations by school counselors and other school officials, available test information, and student autobiographies. Economic need and potential for success are the main important determinants for admission to the program.

Academic support services include tutoring and academic advising. Counseling services include personal and social counseling, with appropriate referral to other campus support services already in existence, such as the Writing Laboratory and the Reading and Studies Skills Laboratory. The program also coordinates Work-Study and other employment activities for its students. Interested students may obtain further information at the HPS office in Hovey Hall.

### International Studies

The Office of International Studies provides services for Illinois State students and faculty who study abroad, foreign students, and residents of International House. It also assists academic departments with intercultural and comparative programs in specialized fields. Further information about the programs listed below can be obtained from the Director of International Studies. An International Studies Center, located in Stevenson Hall, has current information on student travel and study abroad. A library of books, brochures, and other reference materials is available. The Center also serves as a meeting place for students and faculty who are planning trips abroad or have recently returned.

#### Study Abroad

In keeping with the tradition of a liberal education, Illinois State encourages qualified students to consider studying in another country. The purpose of study abroad is to enable the student to gain a direct understanding of the intellectual and cultural achievements of another culture. In this way, study abroad may contribute toward intelligent citizenship in the world community. Academic programs for a summer session, a semester, or a year abroad are available to Illinois State students.

The University operates three study centers abroad. These centers are located in Salzburg, Austria; Grenoble, France, and Brighton, England. The center in Salzburg is a joint undertaking with Northern Illinois University. The programs at these centers are designed to be a continuation and enrichment of a student's regular on-campus academic program. Students who are accepted in these programs remain full-time students at Illinois State

and all courses offered at the centers abroad are authorized within the ISU curriculum. Thus, students studying at these centers abroad carry a full academic load for a semester or a year and retain full status as a regular student at the University. The usual pattern is for at least one regular faculty member from ISU to be in residence at each center, serving as both instructor and counselor. The major part of the teaching, however, is done by instructors from the host university who lecture in English.

In addition, there are opportunities to study in other countries. Through its membership in a consortium of universities for international education, individual arrangements can be made for students who wish to study in countries other than those in which ISU has centers.

Most of the courses offered abroad fall in the University Studies category. No science or math courses are offered overseas. Therefore, the sophomore year offers the greatest flexibility for those who wish to study abroad. In some cases it is possible to work out a program of study abroad for the junior year, but this requires careful planning and students should check with their department chairpersons before choosing this option. Anyone interested in study abroad should consult with advisers in the Office of International Studies.

In the summer session there are special opportunities for study and service abroad. Study programs are offered in foreign languages, art, music, special education, history, political science, economics, geography and sociology. Summer programs of study and service have in recent years taken students to Europe, Asia, the Near East and Latin America.

### International House/Foreign Students

International House is a coeducational residence and academic program center for American and international students attending Illinois State. The purpose of the House is to promote cultural interaction and international understanding among international and American students through social and educational programs. This setting provides opportunities to develop friendships and to encourage mutual respect among students of diverse backgrounds and cultures through the experience of living and learning with their contemporaries. The International Studies office also provides services to all students who are citizens of other countries. The office assists in matters relating to admissions, personal and academic problems, financial aid, hospitality, housing, employment and immigration. All international students enrolling in the University for the first time should report to the International Studies Center in Stevenson Hall as soon as possible following their arrival on campus.

### National Student Exchange

In order to make possible an educational experience in cultural and geographic circumstances considerably different from those of Central Illinois, Illinois State University inaugurated the National Student Exchange. Sophomores and juniors with a 2.5 cumulative grade point average may take up to a year's study at any one of numerous public colleges and universities in other states at costs equal to what a student who is a resident of that state would pay. In some cases, scholarship aid may be



used. Applications are available between October 1 and March 1.

It is hoped that the exchange of students among institutions will enrich the educational experience of those individuals traveling to distant campuses and those of the host institutions who have a chance to meet and learn from incoming students. Institutions involved in this exchange are Bowling Green State University, California State College (Bakersfield), Illinois State University, Jackson State University, Montana State University, Moorhead State University (Minn.), Morgan State College (Md.), New Mexico State University, North Texas State University, Ohio University, Oregon State University, Rutgers College (N.J.), South Dakota State University, Towson State College (Md.), William Paterson College of New Jersey, West Chester State College (Pa.), and the Universities of Alabama, Alaska, Delaware, Hawaii, Idaho, Maine at Fort Kent, Maine at Portland-Gorham, Massachusetts (Amherst and Boston), Montana, Nevada (Reno), Oregon, South Florida, Utah, and Wisconsin (Green Bay). Others are joining the program each year. For more information, contact the Coordinator of the National Student Exchange program, in the Academic Advisement Center in Moulton Hall.

## Honors Program

The Honors Program provides special educational opportunities for students who by their past performance indicate unusually high academic promise. It is designed to serve students who wish to develop their intellectual abilities to the fullest.

The Honors component of university education at Illinois State should be understood as providing something that is different. Honors study provides an opportunity for educational experiences in all four years which go beyond ordinary experiences in learning and communicating information. Honors classes and seminars are sufficiently small to encourage interaction between professor and students. Instruction usually is conducted in modes other than the lecture. Honors derives its special characteristics from the interplay of professor and students in an intimate educational setting. Here the challenges to gain education are high and the rewards, also high, are reaped in self-education.

The Honors Program encompasses Honors courses in University Studies, Departmental Honors, In-Course Honors, Independent Honors Study and the Individualized Honors Curriculum.

Honors work in the freshman and sophomore years is usually offered through Honors sections in courses which meet University Studies requirements and are the basic introductory courses of the offering departments. Departmental Honors programs are designed to facilitate advanced undergraduate Honors study in a student's major field. The opportunity is available at present in selected departments on the junior and senior level.

Opportunities exist to earn Honors credit beyond University Studies through In-Course Honors activities intended to encourage independent study and in-depth investigation as an Honors component in work covered in many regular courses. Independent Honors Study, available in all departments, offers the opportunity for Honors-level self-guided study and investigation in a major discipline. Students desiring In-Course Honors and Independent Honors Studies should make arrangements with instructors, seeking the approval of both the department chairperson and the Director of Honors.

The Individualized Honors Curriculum program provides specially qualified Honors students with a full curriculum tailored to their special interests and capabilities. It offers carefully selected students such opportunities as admission to advanced courses, independent study, research, enrollment in certain graduate

courses, and possible modification of departmental course requirements where appropriate. Students should apply while in their sophomore year to the Director of Honors.

Incoming freshmen who achieve composite scores of 28 or higher on their ACT tests or are in the 90th percentile or above are invited to apply for the Honors Program. Admission is made on the basis of additional factors, such as initiative and desire of the student to enter Honors, academic standing in secondary school, outside activities and, in unusual instances, recommendations of teachers and counselors. Students already enrolled in the University can be admitted to the program upon application. Requirements for admission are grade point average of 3.3 or above and recommendations from two faculty members who are knowledgeable of their capabilities. Admission requirements may be modified in individual circumstances by the Director of Honors subject to review by the student-faculty Honors Council. Contact the Director of Honors in Hovey Hall for further information and assistance.

## Undergraduate Teaching Assistants

Undergraduate Teaching Assistantships are available to highly qualified junior and senior students in nearly all departments of the University. The purpose of the program is to assist the faculty in improvement of instruction and provide a valuable opportunity to the assistants to learn and profit from the experience. Information about the UTA program is available in the departmental offices and the Office of the Dean of Undergraduate Instruction.

## Residential Programming

The Coordinator of Residential Programming works with students in developing educational programs in residence halls, fraternities, sororities and cooperatives. Faculty and other University resources are assembled for educational programming within student residences. The Coordinator works with the Association of Residence Halls and the Greek Council and serves as an adviser to residence governance systems.

## Academic Policies and Procedures

### University Grading System Course Grades

University grades and their values are:

	Grade Points per Semester Hour
A (Superior)	4
B (Above Average)	3
C (Average)	2
D (Below Average, Passing)	1
F (Failing)	0
I (Incomplete)	0
W (Withdrawal)	0

A, B, C, or D are recorded for work given a passing grade.

F will be given to (1) students who withdraw from a course at any time without official permission, and (2) students who are in a course all semester but fail to earn a passing grade.

CT (Credit) will be given for passing work (with grade equivalent to A, B, or C) earned under the Credit/No Credit Option. NC indicates that no credit



(with grade equivalent to D or F) was earned in a course attempted under the Credit/No Credit Option.

In a given course grades of CR (Credit) and NC (No Credit) may be the only grades offered. Such variations in grading are permitted only after approval by the Dean of the University.

## Credit/No Credit Option

An undergraduate student (except a first semester freshman) who is not on scholastic probation may choose to register in some courses under an option which allows the student to be graded on the basis of CT (Credit) or NC (No Credit) rather than on the basis of A, B, C, D, or F grades. This Credit/No Credit (commonly called the Pass-Fail) Option is designed to encourage students to enroll in courses they otherwise would not take. Some courses, therefore, including those in a student's major or minor, may not be taken on the Credit/No Credit Option. A maximum of 6 semester hours of work under the Credit/No Credit Option may be taken each semester, and a total maximum of 25 semester hours under the Credit/No Credit Option may be presented for graduation. Although an entry of CT (credit earned under the Option) or NC (no credit earned under the Option) will be entered on the student's record, these entries are not used in computing the grade point average for the student.

A grade of CT is recorded when the grade submitted by the instructor is A, B, or C. A grade of NC is recorded when the grade submitted by the instructor is D or F.

A student electing the Credit/No Credit Option should do so as part of the regular registration process. In no case may a student elect the Credit/No Credit Option later than the last day for making program changes. Students who have elected the Credit/No Credit Option may return to the letter basis of grading up until the last date for withdrawing from a course.

## Incompletes

An I (incomplete) will be given to a student who is doing passing work but who, because of a justifiable reason such as illness, finds it impossible to complete the work by the end of the semester or session. The student must have been in class to within three weeks of the close of the semester or one week of the close of the summer session. The student, the instructor, and department chairperson shall sign a verification form which will include a justifiable reason for assigning the incomplete grade, the requirements which must be satisfied in order to clear the incomplete grade, and a default grade (A, B, C, D, F, or I), which is the grade the student shall receive if the outstanding work is not completed. A copy of the verification form shall be kept on file in the office of the department offering the course, and a copy shall be provided to the student. If the I (incomplete) grade has not been cleared within one calendar year, it shall be converted on the student's record to the default grade. In exceptional cases, deviations from the policy may be granted by the Assistant to the Dean of the University.

## Auditors

A student may register as auditor in a class or classes if facilities are available. An auditor does not participate in the activity of the class, but merely listens. To register as an auditor, a student must have the instructor's signature on an auditor's permit which can be obtained from the Registration Office. The auditor fee is shown in the section on costs. Students who are registered for 12 or more hours for credit may audit courses without additional fees.

## Grade Point Average

In order to be eligible for graduation, a student must have a minimum grade point average of 2.0 (C) in all courses taken at Illinois State University for which grades of A, B, C, D, or F are assigned. Failures which have not

been cleared by repetition of the courses are considered in the total number of semester hours taken in computing the grade point average. The following illustrates the counting of grade points to determine the GPA (Grade Point Average).

Course	Grade	Sem. Hrs. Enrolled	Sem. Hrs. Earned	Sem. Hrs. for GPA	Grade Points
POS 105	D	3	3	3	3
BSC 145	CT	2	2	0	0
SP 110	A	3	3	3	12
MUS 139	I	1	0	0	0
CHE 102	B	3	3	3	9
HPE 131	W	1	0	0	0
HIS 135	F	3	0	3	0
HPE 160	NC	1	0	0	0
		17	11	12	24

The grade point average is computed by dividing grade points earned by semester hours counted. For the case above, the grade point average is 2.0. Grades of W, CT, CR, I, and NC do not affect the grade point average.

## Repetition of Courses

Students may repeat a course in which they wish to improve their grades. Students interested in doing so should consult the Assistant to the Dean of the University in the Academic Advisement Center for current regulations on course repetition, including how repetition of a course will affect the student's grade point average. A student wishing to remove a failing grade or raise the GPA by repeating a course must repeat the course at Illinois State. Grades earned at other colleges or universities cannot be used to replace grades earned at this University.

## Academic Requirements

### Class Standing

Students in a bachelor's degree program are classified as freshmen, sophomores, juniors and seniors. A student must have completed 30 semester hours to be classified as a sophomore, 60 hours to be classified as a junior, and 90 hours as a senior. Students not working toward a degree at Illinois State are listed as Unclassified Students.

### Major Field of Study

Students normally select a major field of study at the time of admission. Students who are undecided about a major field are classified as General Students and are strongly encouraged to select a major field of study before the beginning of the sophomore year. The major and minor fields of study available at Illinois State are described in the section on Undergraduate Academic Programs.

### Change of Major

A student wishing to transfer to another curriculum or change major field should report to the office of Admissions and Records. Permission to change to a given major field may be sought by consulting the chairman of the department offering the major. Curriculum changes may be restricted by enrollment limitations in some areas.

## Academic Good Standing

To be in academic good standing, a student must have achieved a minimum cumulative grade point average, depending on the number of semester hours taken, as shown in the following chart:

Semester Hours Taken	Minimum Cumulative Grade Point Average
11 or less	1.00
12 - 29	1.40
30 - 44	1.80
45 - 59	1.90
60 or more	2.00

The number of semester hours taken includes all

college work taken by the student, but only the grades earned at Illinois State University are used in computing the grade point average. Students who do not achieve the minimum grade point average as specified will be placed on academic probation.

## Academic Probation

Students who fail to meet the above requirements are placed on academic probation for the succeeding semester or session. At the end of any term when a student goes on probation a second or subsequent time, he or she is automatically dropped from the University. A student denied reinstatement at that time may expect to remain out of school one calendar year before the Reinstatement Committee will act favorably on a request for reinstatement. An error in the record or new evidence of academic capability (for example, excellent grades in a semester's work at another school) will result in a review of a student's case when brought to the attention of the Committee. Repeated failures to do satisfactory work may result in permanent exclusion from the University. Information about probation regulations or a student's own probation status may be secured in the Academic Advisement Center from the Assistant to the Dean of the University.

## Academic Honors

### DEAN'S LIST

This list, prepared each semester, includes the names of all undergraduate students who completed 12 semester hours or more with a grade point average of 3.0 or higher during the semester. The 12 hours must be exclusive of any work taken under the Credit/No Credit Option.

### HONORS AT COMMENCEMENT

Students who have an accumulated grade point average of 3.80 to 4.00 are graduated with High Honors; those with an average of 3.65 to 3.79 are graduated with Honors. These students wear a shoulder loop as part of their academic dress, and their names appear as honor students on the commencement program. All grades earned at this University are counted in computing the grade averages except those earned during the term in which graduation requirements are completed.

### BONE SCHOLARS

Several undergraduate students are designated annually as Bone Scholars, in honor of former President Robert G. Bone. The designation of Bone Scholar is the highest distinction that can be achieved by students at Illinois State University. Bone Scholars are students who combine superior academic records with full personal development through campus and community activities. Nominations to this honor are made by faculty members and selection of new Bone Scholars is conducted by the Honors Program, from which further information may be acquired.

## Course Registration and Attendance

### Class Schedule

The schedule of classes, prepared by the Office of the Dean of the University, is available at the Registration Office about the middle of the previous semester so that students in attendance can plan their programs of courses in advance. The Class Schedule contains all information necessary on student registration for courses.

During both semesters, the school day ordinarily consists of 50-minute periods from 8 a.m. to 7:50 p.m. or later, Monday through Friday, and from 8 a.m. to noon on Saturday. Day classes usually meet as many times each week as the semester hours offered for the course.

Courses with laboratory work meet for double periods for the laboratory part.

Beginning at 4 p.m., or later, there are also classes meeting for only one weekly session, lengthened to the proper time. Some classes scheduled during evening hours may meet for two or more evenings each week. There are also Saturday morning classes in one session.

A full-time student is in class approximately 17 periods per week.

## Academic Advisement

Academic advisers help students plan their programs each semester. All freshmen (except Special Education majors) and some sophomores are advised through the Academic Advisement Center. Juniors and seniors are advised by representatives of the students' major departments.

In each semester of attendance, students should consult their advisers about planning course programs for the following semester.

Before planning a program, a student who is employed must secure a class schedule permit from the Office of Student Financial Aids if priority is desired in scheduling to leave specific hours free for work.

Registration instructions are provided in the Class Schedule.

## Course Load

A student may carry a maximum of 17 hours each semester. A full-time student usually carries from 15 to 17 hours. A student wishing to carry more than 17 hours in a semester may seek permission to do so from the chairperson of the major department. The granting of this permission will depend on the student's scholastic record. A freshman may not carry over 17 hours during the student's first semester.

A person who holds a full-time position should not take more than six semester hours of work per semester.

A student must have the permission of the Assistant to the Dean of the University in the Academic Advisement Center to take any work, including extension or correspondence, at another college or university with concurrent registration at Illinois State University.

## Course Registration and Changes

Detailed instructions for registration for courses are published for each semester in a Class Schedule for that semester. There are two ways of registering for courses for the fall or spring semesters: (1) early registration conducted during the preceding semester, and (2) the registration period provided just prior to the start of classes each semester. Students are encouraged to register during the early registration period because of the wider selection of courses open to them at that time. New freshmen and transfer students may register during Summer Preview and are encouraged to do so because of the wider selection of courses open to them at that time, or they may register just prior to the opening of the semester.

A student who is already registered for a particular semester and desires to change the program before the deadline for doing so should follow the instructions in the Class Schedule. No changes are permitted after August 29 of 1975 for the first semester and after January 17 of 1976 for the second semester of the 1975-76 academic year.

## Class Attendance Policy

The attendance policy of the University is based on two principles: first, that students are expected to attend class regularly; and second, that the student is primarily responsible to the instructor in matters pertaining to class attendance. Every student will be held responsible for class attendance and successful completion of



academic work. Attendance regulations are intended to encourage student maturity and are based on the assumption that academic success is the student's primary goal in college.

The University will reasonably accommodate students in circumstances where a religious observance requires absence from class. Students who are unable to attend class or take examinations for religious reasons should consult their instructors in advance about acceptable alternative arrangements.

## Withdrawal Policies

### Withdrawal from Courses

A grade of W will be recorded for each course from which a student withdraws officially by filing the proper form with the Registration Office.

A student may not withdraw from a course after the fourteenth week of a semester or after the sixth week of a summer session including the registration period. The last day of the seventh week is the final withdrawal date for nine-weeks courses during a regular semester including the registration period. Specific final dates for withdrawals during the two semesters of the academic year are published in the class schedule booklet for each semester. Specific dates for withdrawals during the summer session are published in the Summer Session Catalog. In a case involving prolonged illness, a student may be permitted to withdraw at a later date if such withdrawal is recommended by the University Health Service.

A grade of F will be given to a student who withdraws unofficially from a course. Withdrawal will be considered unofficial after three weeks of unexplained absence or by the close of the semester, whichever is the shorter time.

### Withdrawal from University

A student who wants to withdraw from all courses should initiate a withdrawal from the University in the Office of Admissions and Records. In case of accident or illness, which would make withdrawal in the regular way impossible, a letter signed by the student and sent to the Office of Admissions and Records explaining the situation will be sufficient.

Regardless of the circumstances of withdrawal, the student is responsible for returning any laboratory equipment or library materials. The student should pay any parking fines and remove the parking decal from any registered vehicle. The student must also contact the Housing office to obtain clearance for room and board obligations and to arrange for vacating the residence hall room. The student should arrange with the Financial Aids office to place any scholarship on leave or cancel it and arrange a payment plan for any loans.

A grade of F will be given to a student who withdraws from all courses without initiating a withdrawal with the Admissions and Records office.

## Credit by Examination

Qualified students may receive college credit or exemption from some course requirements on the basis of satisfactory performance on proficiency examinations. Students at Illinois State University may not earn credit for the same course content twice through completion of a course and a proficiency examination. A student may secure specific information about the CLEP General and Subject Examinations by inquiring at the Measurement and Evaluation Service in East Gate Hall. Specific information on departmental proficiency examinations may be secured from the Director of Instructional Development in the Office of Undergraduate Instruction or in the office of the department offering the course for which proficiency credit is sought.

## CLEP General Examinations

Illinois State University grants credit by examination toward University Studies for the College Level Examination Program (CLEP) under the following guidelines:

1. Students who score at the fiftieth percentile or above on the national sophomore norms on one or more of four of the General Examinations (Humanities, Mathematics, Natural Sciences, and Social Sciences-History) will be awarded six semester hours credit toward University Studies in each area passed for a maximum of 24 possible credit hours. Credit is not available for the English Composition General Examination.

2. Students who desire to take the CLEP General Examinations are encouraged to do so before enrolling for courses at the University. Students may take the CLEP General Examinations at ISU at times specified by the Measurement and Evaluation Service or at any CLEP Open Test Center. Students who do not take the examination at ISU should have their individual scores forwarded to the Measurement and Evaluation Service at ISU. Students who take the CLEP examinations are individually responsible for the cost of the examinations.

3. Academic credit for CLEP will be given by the University only to students who are admitted to and register for classes at the University. Credit for CLEP General Examinations shall count toward University Studies requirements and university electives only. A student may not use the CLEP General Examinations to raise grades or remove failures in courses already taken. All credit for CLEP General Examinations shall be considered credit at the 100 level.

4. Students who are awarded credit for CLEP General Examinations are advised not to enroll for the following courses in the area or areas in which credit is awarded: Humanities: English 104, 110, 150; Art 150; Music 151. Mathematics: Mathematics 103, 104, 105, 106, 107. Natural Sciences: Biological Sciences 100; Physics 105.

5. The CLEP General Examinations are an addition to, not a replacement of, other forms of proficiency examinations, specifically department-developed course proficiency examinations and CLEP Subject Examinations. However, a student will not receive proficiency credit for both an area of the CLEP General Examinations and a basic course proficiency examination in an area of the CLEP Examination for which the student has received credit.

6. The amount of academic credit that can be earned through any one of the four General Examinations will be reduced by the amount of academic credit previously earned in that area of study and by the amount of potential credit for current enrollment in any reasonably related course.

7. Credit will not be awarded for CLEP in those areas in which academic credit is earned through Advanced Placement Examinations.

8. Students may secure information on taking the examinations, on fees, and on passing scores from the Measurement and Evaluation Service at ISU.

## CLEP Subject Examinations

In addition to the opportunities provided by the CLEP General Examinations described above, several departments grant credit by examination in specific subject areas covered by CLEP Subject Examinations. Courses approved for credit under this program are History 123 and 124, Mathematics 115 and 116, Political Science 105, Psychology 111, and Sociology 106. Credit may also be earned and applied toward the requirements in the Medical Technology program for acceptable levels of performance on the CLEP Subject Examinations in



Clinical Chemistry, Hematology, Immunochemistry/Blood Banking and Microbiology.

Students may secure information on taking the examinations, on fees, and on passing scores from the Measurement and Evaluation Service at ISU.

## Placement and Proficiency Examinations

### Placement Examinations

Examinations for appropriate course placement are offered by the Departments of Foreign Languages, Mathematics, and Music. No credit is awarded. The mathematics examinations are required of all mathematics majors and minors and students selecting a sequential program in mathematics. General students should also take the examinations if they are considering mathematics as a major or minor or majors in chemistry, physics or biological sciences, or preprofessional study in various science fields. Students in social sciences and business who expect to take either MAT 107 or 120 are also requested to take a special placement examination. Examinations in Foreign Languages or Music may be required of some students. Specific information about the examinations may be obtained from the respective departmental offices.

### Proficiency Examinations

Proficiency examinations are provided by each department in most basic 100-level courses, which allow a

regularly-admitted student to receive University credit for knowledge attained outside formal educational channels. These examinations are optional. Specific information is available in a brochure published by the Office of Undergraduate Instruction. Students who feel they are qualified may obtain a copy from the Director of Instructional Development in Hovey Hall. Scheduled examination dates are late spring, early fall, and mid-semester. Some departments also provide examinations in the 200 and 300 level courses. Information about these opportunities should be obtained directly from the departmental offices.

### State Latin Examination

A student who receives a rating of Superior or Excellent in the State Final Latin IV Examination for high school students will be granted eight semester hours of credit in Latin upon registration at this university.

### Advanced Placement Program

Examination taken in high school in the Advanced Placement Program sponsored by the College Entrance Examination Board will give college credit to those students who have passed one or more advanced placement examinations with grades of 5, 4, or 3, as shown on page 25. Credit will be allowed in courses most nearly equivalent to the material covered in the Advanced Placement Program.



<i>Advanced Placement Examination</i>	<i>Score Required</i>	<i>Credit or Exemption Allowed</i>
American History	5, 4, or 3	History of the United States 135 and 136; total, 6 sem. hrs. credit.
Art		
(Studio)	5, 4, or 3	Introductory Art Workshop 100, 2 sem. hrs. credit. Visual Elements, 103, 2 sem. hrs. credit.
(History)	5, 4, or 3	Basic Drawing, 104, 2 sem. hrs.; total 6 sem. hrs. credit. Art Appreciation, 150, 2 sem. hrs. credit. Survey of Art I, 155, 3 sem. hrs. credit. Survey of Art II, 156, 3 sem. hrs.; total 8 sem. hrs. credit.
Biology	5, 4, or 3	Introduction to Biological Science 100, General Zoology 190, and General Botany 121; total, 11 sem. hrs. credit.
Chemistry	5 or 4	General Chemistry 140 and General Chemistry 141; total, 10 sem. hrs. credit.
English	3 5	General Chemistry 140, 5 sem. hrs. credit. Language and Composition 101, 3 sem. hrs.; and introductory literature, 3 sem. hrs. (Group B of University Studies). Total, 6 sem. hrs. credit.
European History	4 or 3 5, 4, or 3	Language and Composition 101, 3 sem. hrs. credit. History of Modern Europe I, 1300-1815, 123 and History of Modern Europe II, 1815-Present, 124; total 6 sem. hrs. credit.
Foreign Languages		
Latin (Vergil Examination)	5 or 4 3	Credit for Latin 116, 4 sem. hrs. Exemption without credit from Latin 116.
Latin (Lyric Examination)	5 or 4 3	Credit for Latin 202, 4 sem. hrs. Exemption without credit from Latin 202.
Latin (Prose Examination)	5 or 4 3	Credit for Latin 201, 4 sem. hrs. Exemption without credit from Latin 201.
French (Literature Examination)	5 or 4 3	Credit for French 221, 222. Maximum credit, 6 sem. hrs. Exemption without credit for French 221, 222.
French (Language Examination)	5 or 4 3	Credit for French 115 and 116. Maximum credit, 8 sem. hrs. Exemption without credit for French 115 and 116.
German	5 or 4 3	Credit for German 115 and 116. Maximum credit, 8 sem. hrs. Exemption without credit for German 115 and 116.
Spanish	5 or 4 3	Credit for Spanish 115 and 116. Maximum credit, 8 sem. hrs. Exemption without credit for Spanish 115 and 116.
Mathematics		
Calculus Test BC	5 or 4 3	Analytic Geometry 112, Calculus 115 and 116; total, 12 sem. hrs. credit. Analytic Geometry 112 and Calculus 115; total, 8 sem. hrs. credit.
Calculus Test AB	5 or 4 3	Analytic Geometry 112 and Calculus 115; total, 8 sem. hrs. credit. Analytic Geometry 112; 4 sem. hrs. credit.
Music	5, 4, or 3	Survey of Music Literature, 151, 2 sem. hrs. credit. Music of 20th Century America, 152, 2 sem. hrs. credit. Literature of Music, 252, 2 sem. hrs.; total 6 sem. hrs. credit.
Physics		
Test B	5, 4, or 3	General Physics 108 and 109; total 10 sem. hrs. credit.
Test C Part I	5, 4, or 3	General Physics 110; 5 sem. hrs. credit.
Part II	5, 4, or 3	General Physics 111; 5 sem. hrs. credit.

A student who has taken Advanced Placement Program examinations should request that his scores be sent to the Office of Admissions and Records.



# University Activities, Services, and Organizations

The University provides a wide range of activities and services to assist students in achieving their educational goals. In order to assure a well balanced variety of activities and programs, the University provides museums, music and library reading rooms, intercollegiate and intramural athletic activities, art galleries, forensic and dramatic programs, and many other recreational activities for students, faculty, and staff. Numerous student and student-faculty organizations exist which provide students effective participation in the affairs of the University. To provide a climate of cultural growth outside the classroom, many outstanding scholars, artists, musicians, lecturers, scientists, and stage performers are brought to the campus by University departments and organizations each year. Out-of-class activities are considered an integral part of the total college experience at Illinois State. The following descriptions are designed to acquaint students with the various University activities, services, and organizations available at Illinois State.

## Student Services

### Student Affairs Office

The Student Affairs Office is designed to fulfill several broad functions for the University community, including that of administrative and programmatic coordination of all units identified as providing a major portion of their services to students. In addition, the office acts as a liaison between students — whether as individuals, groups, or the entire student body as a whole — and the University in general.

### Academic Advisement Service

The function of academic advisers is to assist students in the selection of courses, to provide needed information regarding University curricula and academic policies, to work with students whose academic progress is unsatisfactory, and, when appropriate, to refer students to other University services.

Each summer, entering students receive academic advisement in connection with the preview ISU program. All freshmen, except Special Education majors, and some sophomores are advised through the Academic Advisement Center. Juniors and seniors are assigned to departmental advisers. All students who need information on academic matters or who have special problems may come to the Advisement Center in Moulton Hall for assistance.

### Student Counseling Service

The objectives of the Counseling Center are to provide students with assistance in making choices in the academic, vocational, and personal areas and to help them grow in their understanding of themselves. Counselors interact with students in a non-judgmental, unbiased manner by assisting them in examining their own values and life styles.

Counseling involves individual or group interviews with a professional counselor or psychologist. The Counseling Center offers a variety of groups in such areas

as personal growth, counseling, career exploration, and anxiety reduction which are initiated throughout the year according to student needs. A student may call the Counseling Center for an appointment or simply come to the Center in DeGarmo Hall. Students are seen for a first interview on the same day they request assistance. All services are offered free of charge, on a voluntary basis, and remain confidential unless the student asks that someone else be informed.

### Reading Study Center

The Reading Study Skills Service offers free, non-credit individualized instruction in various reading and study skills to all currently enrolled students. A partial list of skills includes study time management, speed reading, reading texts efficiently, lecture note-taking, test-taking skills and vocabulary improvement. Interested students should come to the Service lab, 210 Schroeder, to arrange for an initial conference during which the student and a staff member will determine the skills to be covered, materials to be used, and the hours for working in the Service lab. Although most students work in the lab over a period of time, students can also receive help on specific short term study problems. Students anticipating difficulties in given courses may find it beneficial to come to the Service lab at the beginning of the semester.

### University Health Service

Illinois State University maintains Rachel Cooper Health Service as an integral part of its services for full-time students (students registered for 12 or more semester hours). Services are also available to students registered for more than six hours who pay the University Health fee. The Health Service outpatient clinic and infirmary are located in Fairchild Hall near the center of campus. University physicians are available for consultation during regular clinic hours. A registered nurse is on duty at all hours of the day and night except during official vacation periods as scheduled on the University calendar. Three hospitals and competent medical specialists are available in Bloomington-Normal to handle medical problems when necessary.

All students entering ISU are encouraged to have a dental examination and necessary dental work accomplished by their family dentist prior to registration. Dental services are not provided by the University Health Service nor are they covered by student health and accident insurance (except as a result of accidental injury).

New students who have chronic medical conditions such as diabetes mellitus, ulcerative colitis, epilepsy, etc., which require long-term and projected treatment, should plan to retain the services of private physicians for the continuing supervision and management of their case. The Health Service will be glad to cooperate, furnish emergency care and assist the student's physician in the student's care if the private physician furnishes written findings and instructions.

Students who have dietary problems are advised that the University does not maintain a special diet kitchen. Students who expect to obtain meals in University Residence Food Centers should be prepared to select food items from the regular course of fare. Normally suf-

ficient items are offered, including bland foods, to provide some selection. Food Service personnel will provide every assistance to students short of special diet preparation.

## University Events and Student Activities

The University recognizes the role which organized activities serve in enlarging the educational experience of the members of the University community. Students are therefore encouraged to participate in programs provided by the many clubs and organizations. The faculty directly assist many student organizations by voluntarily serving as organization consultants. The Office of University Events and Student Activities is responsible for assisting students and student organizations in the planning, implementation, and evaluation of programs holding interest to the memberships and the general student body. It also serves as adviser and fiscal agent for the major student programming organizations. The office is responsible for scheduling most facilities on campus, notifying Security, and coordinating requests for Media Services, Public Address, and Physical Plant set-up for activities using University facilities. The office is also responsible for scheduling general University facilities for meetings, conferences, clinics, workshops, and activities for both University-sponsored functions and outside groups and maintains a daily calendar of activities.

## Student Financial Aids

Counselors in the Student Financial Aids Office are prepared to assist students with financial problems connected with University attendance. Many forms of aid programs — federal, State, and University — are available to make it possible for any student to arrange at least part of the financing needed to continue educational pursuits. Further detailed information is also available in the earlier section on Student Financial Aid in this Catalog.

## Veterans Services

The Office of Veteran Affairs is located in the Media Services Building. Two VA representatives advise veterans on matters relating to benefits and also handle the correction of payment problems. A veteran who was in the service one year or more may qualify for the Illinois Military Scholarship which pays tuition and some fees. To apply for the scholarship the veteran simply needs to bring a copy of his DD214 to the Financial Aids Office located in Hovey Hall. Certain dependents of deceased war veterans are entitled to educational benefits from the Veterans Administration. If a student seeks such benefits, contact should be made with the Veterans Office.

## Housing Office

The University operates both residence halls and family apartments. Full information and assistance in acquiring space in a residence hall or in one of the family units will be provided by the Housing Office staff. In the event there is not sufficient space in university-owned housing, the Housing Office will provide assistance in securing housing in the community. Listings of rental facilities available in the Bloomington-Normal area are available in the Housing Office.

## Student Code Enforcement Review Board

The Student Code Enforcement and Review Board

has the responsibility for the review of student regulations and the enforcement of these regulations. For further detailed information concerning student rights and responsibilities, SCERB, and University regulations and enforcement procedures, consult the *University Handbook*, available on campus through the Office of the Secretary of the University in Hovey Hall.

## University Union and Auditorium

A variety of student services is available through the University Union and Auditorium including activities, a poster shop, educational programming, meeting rooms and eating areas. For further information, contact the Director of the University Union and Auditorium.

## Placement Service

The Placement Service serves the University in several ways. It informs students and alumni of the University of available positions, instructs them in making effective applications, helps them to recognize and observe good professional procedures, and provides related information which will help them to secure good positions. It also seeks to aid officials of schools, businesses and governmental agencies to find qualified applicants for positions. It informs students, faculty and departments concerning present supply and demand trends.

## Speech and Hearing Clinic

Students having speech and hearing problems may receive evaluation and therapy at the Speech and Hearing Clinic, located in Fairchild Hall. The clinic also serves as a laboratory for students majoring in speech pathology and audiology. Hearing services include hearing tests, lip reading, auditory training and advice concerning hearing aids.

## Writing Center

Students who need supervised practice in writing in order to improve their writing skills may secure help in the Writing Center. Any faculty member may refer students to the Writing Center. Students may obtain further information by inquiring in the office of the Department of English.

## Student Activities

The following is a list of organizations which are presently established on campus to provide the opportunity for students to demonstrate leadership, initiative, and creativity. The University Events and Student Activities Office is available to offer whatever information is requested about the organizations.

## Student Association

The Student Association (SA) is an organization dedicated to providing a focal point for student leadership on the total campus. It is the highest office for student advocacy, and in this role it strives to influence decisions concerning the Illinois State student body. In addition, it endeavors to provide services for its constituency that fill needs created by student demands. All students are eligible to vote in all SA elections and referendums. SA provides an important means for student input, and exists only by virtue of student participation in its activities. Any student desiring information or who would like to participate in related activities should contact the SA by phoning 436-6661 or stopping by the offices at 225 N. University. Major SA activities include:



**Consumer Guide Publication** — A booklet designed to help new residents to become more easily settled into this community.

**Legal Aid Program** — A program designed to provide all students with advisory legal services at no cost.

**Information Research Center** — A student-run, student-staffed, free information retrieval system.

**Travel Assistance Program** — A service to provide professional travel assistance to students.

**Student Foundation** — A unit designed to provide financial support to SA and educational and social programming for students.

**Book Exchange** — A service provided for all students to exchange their old books at reasonable prices.

**Newsletter** — A service to allow SA and student organizations the opportunity to make their announcements known.

**Tenant Union** — A service which provides counseling regarding tenant and landlord problems that affect students.

**Printing Service** — Various duplicating machines are available to any student or organization to produce or reproduce any material.

**Ride Exchange** — Students can obtain and give rides to students all over the country.

**Voter Registration Service** — An on-going service to insure that all eligible ISU students are able to register at the college addresses.

In addition, SA attempts to extend its input by maintaining close contacts with both the Association of Illinois Student Governments and the National Student Association, thereby keeping abreast of developments on other college campuses throughout the State and nation.

## Student Communication Media

The **Vidette** newspaper is published daily by students to present important campus news and to reflect student life. Students interested in journalism can get valuable experience in writing, makeup and editing. The student editor appoints a staff of assisting editors and reporters. A faculty general manager supervises the publications.

**WILN**, student operated carrier-current radio station, provides a daily schedule of programming to the campus residence halls for approximately 90 hours each week. Programs include a variety of locally produced news, sports and public affairs programs as well as recorded music. **WILN** is a campus organization with membership open to students interested in all phases of broadcasting.

**TV 10 News** is a nightly television news program telecast from the ISU studios and carried to the Bloomington-Normal community through the local television cable system. It is produced by the Office of Public Affairs and the Department of Information Sciences with professional direction. Students working on the program in news or technical positions may earn academic credit for their participation.

## Departmental Clubs

Among the student clubs directly associated with an academic department are the Accounting Society, Agriculture Club, American Heritage Dancers, Association for Childhood Education, Association for Computing Machinery, Business Administration Club, Chem Club, Dance Theater, Druid's Cave, English Club, Geology Club, German Club, Le Cercle Francais, Lowell Mason, Medical Records Society, Photo Club, Physics Club, Physical Education Majors Club, Shufflin' Shoes, Society of Medical Technologists, and Student Elementary Education Board.

## Departmental Honorary Societies

Academic honorary societies at Illinois State University include: Alpha Beta Alpha, Mu Chapter (Library), Alpha Gamma Rho (Agriculture), Alpha Lambda Delta (Freshmen women), Alpha Tau Alpha (National Agriculture), Alpha Zeta (Agriculture), Delta Omicron (International Music), Delta Phi Alpha (National German), Delta Pi Epsilon (Business Education), Gamma Phi (Gymnastics), Gamma Theta Upsilon (Geography), Iota Lambda Sigma (Industrial Arts), Kappa Delta Epsilon (Professional Education), Kappa Delta Pi (Education), Kappa Mu Epsilon (Mathematics), Kappa Omicron Phi (Home Economics), Lambda Alpha, Omicron Delta Epsilon (Economics), Phi Alpha Theta (National History), Phi Beta Lambda (Business), Phi Delta Kappa (National Education), Phi Eta Sigma (Freshmen Men's Scholastic), Phi Mu Alpha Sinfonia (National Music), Phi Sigma Society (National Biology), Pi Delta Phi (National French), Pi Omega Pi (Business Education), Sigma Delta Pi (Spanish), Sigma Tau Alpha (Rainbow Girls), and Sigma Tau Delta (English).

## Entertainment Organizations

Campus groups concerned with entertainment include: Capen Cinema, Centennial Cinema, Entertainment Committee, ISU Film Society, University Forum Committee, Homecoming Board, New Friends of Old Time Music, Rites of Spring Steering Committee, University Events Council, Union Board, and White Hart Coffeehouse.

## Fraternities, Sororities, and Co-ops

General organizations include the Black Greek Association, Interfraternity Council, and Panhellenic Association.

Among the social fraternities on campus are: Acacia, Alpha Kappa Lambda, Alpha Phi Alpha, Alpha Tau Omega, Beta Eta Tau, Chi Phi Iota, Delta Chi, Delta Sigma Phi, Kappa Alpha Psi, Lambda Chi Alpha, Omega Psi Phi, Phi Beta Sigma, Sigma Nu, Sigma Phi Epsilon, Sigma Pi, Sigma Tau Gamma, Tau Kappa Beta, Tau Kappa Epsilon, and Wine Psi Phi.

Social sororities include: Alpha Delta Pi, Alpha Gamma Delta, Alpha Kappa Alpha, Chi Omega, Delta Delta Delta, Delta Kappa Delta, Delta Zeta, Kappa Delta, Pi Beta Phi, Sigma Gamma Rho, Zeta Phi Beta, and Zeta Tau Alpha.

Co-ops are La Vista Co-op and Phi Kappa Delta.

## General Interest Groups

These clubs and organizations include the Amateur Radio Club, American Society of Safety Engineers, Association of Latin American Students, Black Affairs Council, Chess Club, Chinese Students Association, Fighting Fifty-Five, Gay Peoples' Alliance, Hounds, Inc., International Relations Association, Karate Club, Married Students Association, Montage, Naturalist Club, ISU Pinball League, Student Alumni Association, Student Correctional Association, Tae Kwon Do, Third World Students, Toastmasters, Weight Lifting Club, and Weight Reduction Club.

## Political Interest Organizations

Politically oriented groups include the Action Party, College Democrats, College Republicans, Common Cause, NORML, and Unity Party.

## Religious Organizations

These groups include the Apostolic Christian Bible Class, Bahai Group, Baptist Student Movement, Cam-

pus Crusade for Christ, Chinese Bible Study Group, Christian Collegians, Follow the Son Fellowship, Inter-  
versity Christian Fellowship, Jewish Student Union,  
Latter Day Saints, The Navigators, Prayer and Share,  
The Way, Wesley Foundation, and Wittenberg Lutheran  
Center.

## Recreation and Sports Clubs

A balanced program of athletics and recreational activities is prominent in the activity program of the University. With first emphasis on good sportsmanship, University intercollegiate athletic teams compete in football, cross country, basketball, wrestling, swimming, gymnastics, track, golf, tennis and baseball. Junior varsity schedules are arranged in football and basketball. Redbird teams compete with teams from other universities and colleges in the Midwest and across the nation. A student-faculty Athletic Council helps to advise the President regarding athletic policies.

In addition to intercollegiate athletics for men and for women, the University provides a Campus Recreation program. This program includes a broad Intramural Program for men and women with competition scheduled in over 50 activities. The Recreation office schedules supervised facilities such as gymnasiums, pools and tennis courts for student use. Programs including roller skating, pottery, woodworking and other activities also are available. Another exciting option is the Outdoor Program involving checkout of camping, backpacking and canoeing equipment, as well as weekend trips scheduled for each activity. There are a number of recreation and sports clubs, which have open membership to all students. These clubs include: ISU Coryphees, Hockey Club, Hockey Booster Club, Horseback Riding Club, Intercollegiate Sports for Women, Officiating Club (Women's), Parks & Recreation Society, Redbird Rooters, Rugby Club, Scuba Club, Sport Parachute Club, ISU Trackettes, Varunas, and Volleyball Club (Men's).

## Residence Hall Organizations

Each University residence hall has a student government consisting of elected officers and representatives who serve on hall committees and councils. Projects or items of common interest among the halls are shared through the coordination efforts of the Association of Residence Halls. The residence organizations include: Association of Residence Halls, Atkin-Colby Student Association, Dunn-Barton Association, Hamilton-Whitten Hall, Hewett-Manchester Student Association, National Residence Hall Honorary, and Walker Hall Men's Association.

## Service Organizations

University service organizations include the Campus Girl Scouts, Circle K, Council for Exceptional Children, ISU Debs, Illinois State Students for Physically Handicapped, Hospitalized and Homebound, PATH, Red Tassel, Students for Social Service, ISU Tutorial Project, and Veterans' Association.

## Music Activities

Music is an important experience in life, and Illinois State, recognizing this fact, provides music organizations to enrich the lives of students. These organizations also are of value in preparing students who plan to teach music to instruct similar groups. Some of the music organizations present programs both on campus and on tour. Membership in these organizations is open to qualified students. Music organizations include: the Chamber Orchestra, Symphony Orchestra, Concert Band, Varsity Band, University Band, Jazz Bands,

Fighting Fifty-Five, Marching Band, Concert Choir, Interdenominational Youth Choir, Madrigal Singers, Men's Glee Club, Treble Choir, and University-Community Oratorio Choir.

## Speech Activities

The Forensic Union affords an opportunity for intensive training and extensive participation in competitive intercollegiate tournament debating, audience debating, oratory, extemporaneous speaking, and a wide variety of other individual events. Any interested undergraduate regardless of previous experience may join. The Forensic Union travels widely off campus and hosts at home one of the nation's oldest and largest college forensics tournaments. On-campus programs include audience debates and the oratory division of the annual Edwards Medal Contest.

## Theatre Activities

The Department of Theatre offers courses and activities in theatre, film and oral interpretation. The University Theatre presents plays regularly in two theatres: Westhoff Theatre, a 450-seat proscenium theatre, and Allen Theatre, a 150-seat thrust stage theatre that is used largely for student-directed and experimental productions. All students are eligible to participate in all phases of theatre production. Admission to University Theatre productions is free upon presentation of activity card.

As part of the work of classes in Oral Interpretation, the Department of Theatre gives students an opportunity to participate in reading programs.

## University Services

### Admissions and Records

The Office of Admissions and Records receives, evaluates and processes all applications to the University. Information is presented to high schools and junior colleges about the University's programs and opportunities. In addition, attention is given to providing whatever experiences or assistance might be needed by the student in his or her entry into the University. Orientation, registration of students and the maintenance of student academic records are the responsibilities of this office. More detailed information on activities of this office is contained in the earlier section on Admission to Illinois State University.

### Academic Senate and Committees

The 50-member Senate includes 27 faculty members, 19 students, and four administrative representatives. The Senate's primary function is advising the President about the educational policy of the University. The Senate works within the limits established by legislative statute and the authority delegated to the Board of Higher Education and the Board of Regents.

Since the University believes that there are many channels in the college through which the goals of a college education may be realized, the following are among the student-faculty committees that have been established. Here students, faculty and administrators share in study, advisement, and in some instances the proposal of policy on matters of importance to the student body. Any student may petition the Student Association to serve on any of these boards and is encouraged to do so in order to share the experiences which such participation can offer.

Academic Standards Committee  
Council on University Studies



Council for Teacher Education  
Curriculum Committee  
Elections Committee  
Entertainment Committee  
Honors Council  
Housing Committee  
Library Committee

## University Publications

Illinois State University publishes the *Undergraduate Catalog*, the *Graduate Catalog* and the *Summer Catalog* which includes Short Courses and Workshops.

*Illinois Quarterly* is published four times a year and contains a variety of scholarly articles from various disciplines. It is under the supervision of the faculty Editorial Committee.

*Illinois State University Life*, a monthly newspaper for staff and parents of students, includes news, photographs, and features pertaining to the University and is mailed to their homes. The *Alumni News* is mailed to all alumni four times a year.

*Up-Date* is a publication of the Office of Research Services and Grants. It is distributed at regular intervals to members of the faculty and describes current developments relating to government support for research and educational activities.

*Illinois State Report* is a news bulletin printed regularly during the academic year and is distributed to all staff members, campus offices and community leaders.

Information concerning other publications prepared by University departments and divisions, by student groups, and by faculty members may be obtained from the Publications Service.

*Illinois State University Handbook* provides information on University policies and regulations set up by student-faculty boards and by faculty and administrative

agencies and officers, under the authority of the Board of Regents governing Illinois State University. The *Handbook* also describes the structure and function of the University and its agencies. Students, faculty, and staff of Illinois State University constitute an academic community. The University affirms the Guidelines for Individual Action and the General Regulations as enunciated in the *Handbook*. Each member of the community should — when appropriate opportunities occur — reaffirm and communicate these statements, pointing out to those whose behavior is in violation of them that membership in this community implies adherence to them.

## University Union and Auditorium

The main purposes of the University Union and Auditorium are to extend and complement the educational goals of the University and to provide educational programs, recreational opportunities, and special services. The Union plays an important role in providing facilities for students, faculty, alumni, and community friends of the University to meet and interact in an atmosphere designed to enhance intellectual, social and cultural growth.

As a center for University activities, the University Union and Auditorium provides unique surroundings to the total University community. In order to maximize use of the University Union and Auditorium facilities, policies and regulations have been established by the University Union Board and the administrative staff of the Union. Detailed information concerning these policies and regulations can be obtained from the Reservation Office, first level concourse. Regular meal service is offered daily in the University Union according to a schedule which is available in the Reservation Office. The University Union and Auditorium facilities are also available for educational conference use. Arrangements for rooms and banquets can be made at the Reservation Office, first level concourse.







## University Radio Station

Illinois State has transmitting facilities for a licensed non-commercial FM (91.7 on the dial) radio station. WGLT-FM has 6 full time professional staff members, with studios in Cook Hall, broadcasting a daily schedule of programs to the community and campus for a total of 88 hours per week. The program schedule includes a variety of locally produced campus shows plus National Educational Radio Network programs.

## Graduate School

The Graduate School offers master's degree work in more than thirty academic fields and professional education areas and offers a Specialist in Education degree in Educational Administration. Master of Fine Arts degrees are offered in Art and Theatre. Doctoral programs are offered in Art, Biological Sciences, Economics, Educational Administration, History, and Mathematics. It is the chief aim of the Graduate School to provide an atmosphere in which students may extend their fields of knowledge by sharing research experience with faculty which will lead to professional improvement and scholarly achievement. Further information on graduate study at Illinois State may be obtained in the *Graduate Catalog* and in the Graduate School office in Hovey Hall.

## Continuing Education and Public Service

Illinois State University offers off-campus courses, short courses, workshops and conferences. These are designed for teachers, administrators, business personnel and other adults who wish to improve themselves professionally. Off-campus offerings are considered an integral part of the total educational program offered by the University. Admission to classes is on the same basis as for courses offered on campus. The off-campus

program includes both graduate and undergraduate courses. Classes are established in off-campus locations where needs justify this service. No distinction is made between credits earned on campus and off campus.

Before each session, the Division of Continuing Education and Public Service publishes a bulletin which lists the course offerings, the professors, the centers and the policies governing continuing education. Inquiries about off-campus work are welcomed.

*Correspondence courses are not offered by Illinois State University.*

Illinois State makes available its facilities and the services of its staff members in an attempt to meet the needs of the various communities. Information concerning these services and instructions on how to arrange for them may be secured from the Division of Continuing Education and Public Service.

During the regular school year, Illinois State University offers a number of undergraduate and graduate courses during the evenings and on Saturday mornings. These courses give residence credit which may be used in completing the requirements for degree programs.

## Media Services

Media Services supports the University's academic program by providing educational media and instruction in the use of media. Media services is organized into the production and/or service functions listed below:

**Distribution Unit:** All types of audiovisual equipment along with prepared materials such as films, film strips, records and audio tapes are circulated for general campus use through this unit.

**Graphic Production Unit:** Assistance is provided in this area for planning, designing, scripting, story boarding, editing, and refining all types of materials for audiovisual productions.

**Audio Production Unit:** Tape recording, duplication, narration, and slide synchronization programs are available through this unit.



**Learning Labs Unit:** This area includes a Pyramid information and retrieval system in DeGarmo Hall allowing students to obtain a copy of a program within a few seconds and completely control the presentation; a Learning Resource Center allowing for self-paced study through the use of audiovisual equipment; an audiovisual equipment laboratory housing self-paced instructional packages on the operation of audiovisual equipment for faculty and student use, and a graphic production area where students and faculty can produce their own media material.

**Television Unit:** A closed-circuit television cable system links more than 35 classroom buildings and dormitories along with a direct connection to Tele-Cable, the community cablevision company serving Bloomington-Normal. The Television Unit has four instructional channels along with five channels from Peoria and Champaign-Urbana. Media Services' Television Unit provides video support for courses, educational observations, and training through employment opportunities for students interested in communications.

All functions of Media Services except the television studio and the DeGarmo Pyramid system are now located in the Educational Media Center.

## Educational Research Services (Laboratory Schools)

As a part of Educational Research Services, Metcalf Elementary School and University High School serve the University as laboratories for research relating to curriculum development, the teaching-learning process and aspects of teacher education. These schools also produce demonstrations of quality teaching and provide a milieu for the retraining and updating of teachers from the public schools. Metcalf Elementary School includes pupils from grades pre-K through 8, in addition to classrooms for special education. University High School enrolls students in grades 9 through 12.

These schools cooperate closely with the departments of the University in their attempts to innovate effective new curricula to meet the needs of the public schools and to discover increasingly effective techniques for educating children. In addition, the laboratory schools provide the broad range of students and classes necessary for research into the improvement of teacher education.

## Parking Services

By action of the Board of Regents, the following regulations apply to students and visitors pertaining to motor vehicles and parking facilities on campus:

Every student vehicle occupying university parking facilities must have a parking decal. The decal is obtained by registering the vehicle at the Parking Services Office in the General Services building and paying the appropriate fee.

Student parking decals will be honored in all lots that are specifically designated by color coded signs. Parking decals are color coded to correspond with the designated parking lots. University parking lots are posted as to the time of their use and who may park in them.

Upon request, a short-term temporary parking permit will be issued by the Parking Services Office to guest and visitor vehicles for parking in University facilities.

## Alumni Services

Through the Alumni Office and Alumni Association, the various alumni clubs and former students maintain contacts with one another and the University. The Alumni Office, located in Rambo House, keeps records on file for nearly 50,000 alumni and serves as their headquarters

when they are on campus.

The *Alumni News* is distributed quarterly to all alumni by the association. The association plans class reunions, hospitality rooms at conventions, alumni meetings throughout the State, an alumni travel program, the annual alumni luncheons at commencement and Homecoming, campus student activities through the Student-Alumni Association and Homecoming. Recent projects of the Alumni Association include the ISU Alumni Sports Hall of Fame, and support of Foundation-Alumni Scholarships and the Distinguished Alumni Awards in Education.

In addition to the alumni clubs in Illinois, meetings are held periodically in St. Petersburg and Miami, Florida; Southern California; Northern California; Phoenix, Arizona; Denver, Colorado; Washington, D.C.; and New York City.

## Research Services and Grants

The University's Office of Research Services and Grants is an information and coordinating center for faculty and students who wish to secure financial support from sponsoring agencies, to conduct research projects, training programs and public service activities. Projects and programs funded by federal agencies and private corporations constitute an important part of the University's involvement in research and development activities. This office serves as a catalyst to stimulate faculty and student interest in research projects, teaching experiments and community service programs. It provides help in locating appropriate funding sources for new academic endeavors; assists in the development of research proposals; and acts as liaison between the University and funding agencies.

## University Foundation and Development Office

The Illinois State University Foundation is a not-for-profit corporation chartered by the State of Illinois for the sole purpose of serving Illinois State University. It does so by inviting, receiving, holding and administering gifts, grants and loans to support and enhance the regular activities of the University. Because the University achieves its greatest efficiency when its resources are assigned where their marginal yield is highest, the Foundation's first interest is to attract funds the uses of which are free of restriction. Nevertheless, the Foundation encourages prospective donors or contributors to exercise the right to specify the use to be made of their funds provided the overall interest of the University is served thereby. Alumni and other friends of the University who seek further information about the purpose of the Foundation, or ways in which they may make contributions to the Foundation, should confer with a representative of the Foundation or Development Office.

The Development Office is responsible for creating and carrying out a long-range program for expanding the amount of voluntary financial and other support for the University. Such voluntary support is used to provide scholarships, fellowships, student loans, research grants, equipment, and special purpose academic projects, buildings and facilities not likely to be provided by legislative appropriations. Because the University must use State funds primarily for additional classrooms and laboratories and for salaries, the support which the Office of Development can generate from individuals, industry and private foundations provides the Margin of Excellence which enables ISU to continue to be a creative and progressive force in higher education. The Development Office, in actively seeking voluntary support for the University, is carrying on the tradition established by the University's founders, whose solicitation of gifts of money and land made the establishment of the University possible.







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# Fields of Study and Degrees Offered

The University offers a wide range of academic programs from bachelor's degrees through master's and doctoral degrees. General information about undergraduate requirements and specific academic

program requirements are described in this section of the catalog. All references to hours are to semester hours. The following is a comprehensive listing of all undergraduate and graduate degrees offered by program.

Accounting (see Business for graduate program)	B.S.
Agribusiness	B.S.
Agriculture	B.S., B.S. in Ed
Anthropology	B.A., B.S.
Art	B.A., B.S., B.S. in Ed., M.A., M.S., M.S. in Ed., M.F.A., Ed.D.
Arts and Sciences	B.A., B.S.
Biological Sciences	B.A., B.S., B.S. in Ed., M.S., M.S. in Ed., Ph.D.
Business (graduate programs in Accounting, and Business Administration)	M.A., M.S.
Business Administration (see Business for graduate program)	B.S.
Business Education	B.A., B.S., B.S. in Ed., M.A., M.S., M.S. in Ed
Chemistry	B.A., B.S., M.S., M.S. in Ed
Corrections	B.A., B.S.
Counselor Education	M.A., M.S., M.S. in Ed
Dance	B.A., B.S., B.S. in Ed
Economics	B.A., B.S., B.S. in Ed., M.A., M.S., D.A.
Educational Administration	M.A., M.S., M.S. in Ed., Spec. in Ed., Ed.D., Ph.D.
Elementary Education	B.A., B.S., B.S. in Ed., M.A., M.S., M.S. in Ed
English	B.A., B.S., M.A., M.S., M.S. in Ed
Environmental Health	B.S.
Ethnic and Cultural Studies (undergraduate minor only)	
French	B.A., B.S., M.A.
Geography	B.A., B.S., B.S. in Ed., M.A., M.S., M.S. in Ed
Geology	B.A., B.S., B.S. in Ed
German	B.A.
Health and Physical Education	B.A., B.S., B.S. in Ed., M.A., M.S., M.S. in Ed
Health Education	B.S. in Ed
History	B.A., B.S., M.A., M.S., M.S. in Ed., D.A.
Home Economics	B.A., B.S., B.S. in Ed., M.A., M.S., M.S. in Ed
Industrial Technology	B.S., B.S. in Ed., M.A., M.S., M.S. in Ed
Instructional Media (undergraduate minor and graduate program)	M.S., M.S. in Ed
Journalism (undergraduate minor only)	
Junior High School Education	B.A., B.S., B.S. in Ed
Latin (undergraduate minor only)	
Latin American Studies (undergraduate minor only)	
Library Science	B.A., B.S., B.S. in Ed
Mathematics	B.A., B.S., M.A., M.S., M.S. in Ed., D.A.
Medical Records Administration	B.S.
Medical Technology	B.S.
Music	B.A., B.M., B.M. in Ed., B.S., B.S. in Ed., M.A., M.M., M.M. in Ed., M.S.
Office Administration	B.S.
Philosophy	B.A., B.S.
Physical Sciences	B.S., B.S. in Ed
Physics	B.S., B.S. in Ed
Political Science	B.A., B.S., M.A., M.S.
Psychology	B.A., B.S., M.A., M.S.
Reading	M.S. in Ed
Recreation and Park Administration	B.S.
Russian	B.A.
School Psychology	M.A., M.S., M.S. in Ed
Social Sciences	B.A., B.S., B.S. in Ed
Sociology	B.A., B.S., B.S. in Ed., M.A., M.S., M.S. in Ed
Spanish	B.A., B.S., M.A., M.S. in Ed
Special Education	B.A., B.S., B.S. in Ed., M.A., M.S., M.S. in Ed
Speech Communication	B.A., B.S., B.S. in Ed., M.A., M.S., M.S. in Ed
Speech Pathology — Audiology	B.A., B.S., B.S. in Ed., M.A., M.S., M.S. in Ed
Supervision	M.A., M.S., M.S. in Ed
Theatre	B.A., B.S., B.S. in Ed., M.A., M.S., M.F.A.
Western European Studies	M.A.



# Undergraduate Degree Requirements

## Requirements for Degrees

Undergraduate degrees available at Illinois State University include the Bachelor of Arts, Bachelor of Science, Bachelor of Science in Education, Bachelor of Music, and Bachelor of Music Education degrees. When applying for graduation, the student indicates the specific degree desired which he or she is qualified to receive.

Liberal arts or non-teacher education students who are candidates for the B.A. or B.S. degree must complete a major or comprehensive major field of study. Completion of a minor, minors, or double major is optional.

Teacher education students who are candidates for a B.A., B.S., or B.S. in Ed. degree must complete professional education requirements and have both a major and a minor or a comprehensive major approved for teacher education.

Other degree requirements include:

### Bachelor of Arts

University Studies requirements.  
General requirements for graduation.  
Field or fields of study requirements.  
32 hours in humanities and social sciences.

Three semesters or equivalent of foreign language, with at least one semester at the level of 115 or higher taken in college, with Foreign Languages classes taught exclusively in English excluded (the Department of Foreign Languages establishes high school and proficiency equivalents).

### Bachelor of Sciences

University Studies requirements.  
General requirements for graduation.  
Field or fields of study requirement.

### Bachelor of Science in Education

University Studies requirements.  
General requirements for graduation.  
Teacher education approved major and minor or comprehensive major.  
Professional education requirements.

### Bachelor of Music

University Studies requirements.  
General requirements for graduation.  
Music field of study requirements.

### Bachelor of Music Education

University Studies requirements.  
General requirements for graduation.  
Music field of study requirements.  
Professional education requirements.

## General Requirements for Graduation

The following graduation requirements apply to all students who complete graduation requirements on September 1, 1973, or thereafter. Meeting graduation requirements is the individual responsibility of each student. The student and adviser should check the student's program of courses frequently to assure that the student is fulfilling graduation requirements.

1. The actual hour requirement for an undergraduate degree varies by the program or combination of programs that a student elects. A student must have a minimum of 120 hours of credit. There are some curricula or combinations of fields which require additional hours. If all specified requirements are completed with fewer than 120 hours, a student must elect sufficient course work to total at least 120.

2. The senior college hours (courses numbered 200 or above) must total at least 42 hours. Course work transferred from other colleges and universities is not counted as senior college credit if freshmen and sophomores are regularly permitted to enroll in such work. No credits from two-year colleges may be counted as senior level.

3. The grade point average for all courses taken at Illinois State University must be 2.0 (C) or higher. In addition, the student must have a grade point average of 2.0 (C) or higher in the major field and in the minor field, if the student has a minor.

4. Each Incomplete grade (I) must be removed at least six weeks before the Spring commencement or two weeks before August graduation if the course is to be used in meeting graduation requirements.

5. The residence requirement is completion of one-half of the last two years (a minimum of 30 hours) at Illinois State University.

6. Each student must pass an examination on the Constitution of the United States and the State of Illinois and on the proper use of the American flag. It is given on five different dates throughout the year as listed on the Instructions for Registration for each semester and for the eight-week summer session. It is also administered to all students enrolled in Political Science 105. A student may also meet this requirement by presenting certification of having passed an appropriate examination at another accredited Illinois college or university.

7. A student may not present more than 32 hours of extension and correspondence credit for graduation. Of the 32 hours, not more than 16 hours of correspondence credit will be accepted. Illinois State University no longer distinguishes between those courses offered on campus and those offered off campus and does not offer correspondence courses. Therefore, all credit hours earned at Illinois State apply toward graduation.

For a student in regular attendance during at least one term of each academic year, the requirements for graduation are those specified in the catalog for the year the student entered the University. If attendance is not continuous, a student must meet the requirements specified in the current catalog. If such a student continues in the curriculum chosen originally, the credits earned in meeting the requirements under an old

program will apply in a revised program. In all instances, the University may adjust graduation requirements to insure that each graduate of a teacher preparation curriculum meets the course requirements for an Illinois Teaching Certificate.

A student who transfers from a two-year college to this University in June of 1972 or thereafter may choose to meet graduation requirements specified in the Illinois State University catalog in effect at the time the student entered the community college if the student had planned a program with a view toward entering this University and if the following requirements are met: (1) the period of attendance at the community college must not have exceeded two calendar years; (2) transfer to Illinois State University must have occurred not later than six months following attendance at a community college.

Since University programs are continuously evaluated and improved, a student is allowed to graduate under new requirements published while the student is in attendance at the University. A student who changes to new catalog requirements, however, must meet all the new catalog requirements except for University Studies.

During the early part of a student's senior year, the Office of Admissions and Records will inform the student of the graduation requirements still to be fulfilled.

Each student should apply for graduation on the date specified in the Instructions for Registration and in the University calendar. The student pays a \$10 graduation fee when applying for graduation, unless the fee is covered by a State Scholarship.

In determining specific program requirements, a student should consult the following sections of the catalog:

1. The "University Studies" section;

2. The "Undergraduate Major and Minor Program Requirements" section; and,

3. The "Teacher Education" section if the student seeks teacher certification.

## Second Bachelor's Degree

A student who has received one bachelor's degree from Illinois State University, or from another college or university accredited for baccalaureate degrees by the appropriate regional accrediting association, may receive a second bachelor's degree at Illinois State University. All specified requirements for the second degree must be met, and the program of studies completed for the second degree must include at least 32 hours of work not counted for the first degree. At least 24 of the 32 hours offered toward the second degree must be senior college level (courses numbered 200 and above).

## Commencement

Degrees are conferred and diplomas awarded after the close of each semester and summer session. Commencement is held once each year in May at the end of the second semester. Undergraduate students completing requirements prior to Commencement as well as those who expect to complete degree requirements at the close of the following summer session may participate in Commencement exercises.

# University Studies Requirements

Each student seeking a bachelor's degree must complete either the University Studies or Individual University Studies program described below. The purpose of University Studies is to provide the student breadth through a familiarity with disciplined inquiry in the humanities, natural sciences, social science, fine arts and communications. Students wishing to enter the Individual University Studies program must apply during the freshman year. Otherwise, students are assumed to be completing the regular University Studies program. The Credit by Examination section of this catalog describes how a student may meet some University Studies requirements through the College Level Examination Program (CLEP) and other proficiency examinations.

**Community College Transfer Students:** A transfer student who has completed an associate degree based on a baccalaureate-oriented sequence who is admitted to the University from a public community college in Illinois shall be considered to have attained junior standing and to have met his or her University Studies requirement. Other transfer students must complete the regular University Studies program.

**Teacher Certification:** Students who plan to teach should be familiar with the general education requirements for teacher certification in Illinois and the requirements for admission to the University's teacher education program. Both are described in the "Teacher Education" section. Students planning a career in teacher education can meet these requirements within

University Studies, but they must plan their program accordingly.

**International University Studies:** Credit in University Studies may be earned through the International Education Program. Information is available from the Director of International Studies.

**Honors and University Studies:** Students admitted to the Honors Program should consult the Director of Honors regarding special opportunities in their University Studies programs.

**Experimental University Studies Courses:** The Council on University Studies approves, in addition to the regular courses listed, Experimental University Studies courses which may also be used to satisfy requirements in the specified groups. These 189, 289 or 389 courses do not appear in the course section of the catalog but are identified by title below. Information concerning new experimental courses is available through advisers and in each semester's *Class Schedule* booklet.

## University Studies Program

Students in this program must complete a minimum of 42 hours of University Studies exclusive of courses taken in the student's major department. A minimum of 6 hours and a maximum of 12 hours is taken in each of the five areas. Courses required in a student's major field



which are not in his or her major department and courses in a student's minor field may be counted toward University Studies.

The program requires neither specific courses nor courses from specific departments. However, within each area, a student is limited to either two courses or a total of 6 hours (whichever is greater) from a single department.

Teacher education students who follow this program are advised to plan their programs so they will meet State requirements in general education for teacher certification as well as the requirements for admission to the University's teacher education program.

Students who select either the interdisciplinary comprehensive majors in Arts and Sciences or in Social Sciences may count any University Studies course toward the 42 hours required in this program without regard to the exclusion of courses taken in the student's major field. General Students (students who have not yet declared a major) are advised that when they do identify their major, courses in their major department do not count toward the University Studies requirement.

Courses approved for University Studies are listed below and identified in the course section of the catalog by the symbol US and the area of University Studies toward which the course counts (for example, US-A would be a course toward the fulfillment of the Group A requirement).

#### **Group A Communication and Fine Arts 6-12 Semester Hours**

Art 100, 150, 241, 250, 259, 289 (Minority Arts).  
Business Education 115.  
Curriculum and Instruction 109.  
English 101, 145, 189 (Advanced Exposition), 189 (Introduction to Creative Writing), 241, 243, 245, 247, 289 (Record Writing).  
Foreign Languages 101, 111, 112, 113, 114, 115, 116, 189 (Elementary Chinese) as appropriate to the level of previous language instruction. A student must complete both semesters of the first year of a foreign language (FOR 111 and 112) to receive credit toward graduation.  
Health, Physical Education and Recreation (Dance) 120, 123, 124, 163, 165, 166, 167, 169, 267, 268, 269.  
Information Sciences 120, 160, 167, 270.  
Mathematics 168.  
Music 100, 101, 102, 151, 152, 153, 154, 181-88, 250, 259, 281-88.  
Philosophy 110, 210, 231.  
Speech Communication 110, 123, 125, 201.  
Theatre 130, 141, 159, 189 (Experiencing Non-Dramatic Literature through Performance), 189 (Black Theatre Workshop), 189 (Exploring the Residence Hall Experience through Social Drama), 189 (Black Drama), 232, 250, 259, 270, 341, 345, 365.

#### **Group B Humanities 6-12 Semester Hours**

Art 155, 156.  
English 102, 103, 104, 105, 110, 130, 150, 160, 189 (University Studies Seminars in English — see Class Schedule booklet), 213, 214, 215, 216, 217, 218, 219, 222, 223, 231, 232, 233, 234, 236, 250, 251, 252, 254, 255, 256, 285, 286, 289 (Afro-American Literature since 1920).  
Foreign Languages 105 and all literature courses numbered 200 or above.  
History: Any History course *except* 135, 136, 137 (see Group D), 287, 306, and 390.  
Philosophy 101, 138, 200, 203, 207, 208, 209, 232, 254, 255, 302, 320, 350, 360, 361, 362.

Theatre 300, 343, 344.

University Studies 100 and 101 (Humanities I and II), 189 (Humanities III and IV, British Civilization).

#### **Group C Natural Sciences and Mathematics 6-12 Semester Hours**

Biological Sciences 100, 121, 122, 123, 160, 181, 182, 189 (Introduction to Evolution), 190, 191, 192, 195, 294.  
Chemistry 102, 104, 110, 112, 114, 140, 141, 150, 220.  
Geography-Geology 100, 110, 175, 180, 185, 195, 200, 202, 275.  
Mathematics 103, 104, 105, 106, 115, 116, 120, 121, 135, 136, 151.  
Physics 100, 101, 102, 105, 108, 109, 110, 111, 201.

#### **Group D Social and Behavioral Sciences 6-12 Semester Hours**

Economics 100, 101.  
Geography-Geology 135, 150, 205, 208, 210, 215, 220, 225, 230, 240, 245, 250, 255, 260.  
History 135, 136, 137.  
Political Science 105, 141, 189 (Political Role of Blacks in the U. S.), 211, 213, 215, 217, 221, 222, 229, 231, 241, 242, 243, 244, 245, 251, 252, 253, 262, 264, 289 (Black Politics), 289 (Workshop in Political Participation), 310, 312, 313, 315, 316, 329, 330, 331, 344, 345, 346, 347, 348, 351, 354, 356, 362, 363, 364.  
Psychology 111, 112, 131, 232.  
Sociology-Anthropology 106, 131, 180, 182, 183, 260, 261, 262, 263, 264, 267, 268, 281, 282, 283, 386.  
Speech Communication 223.  
Speech Pathology-Audiology 112.

#### **Group E General University Studies 6-12 Semester Hours**

Accounting 131, 132.  
Agriculture 100, 101, 110, 150, 170, 189 (Landscaping and Man), 189 (Soils), 286, 289 (Agriculture in U. S. Society).  
Allied Health 189 (Man and His Environment).  
Biological Sciences 102, 145, 189 (Green Thumb Botany), 199, 202.  
Business Administration 110, 111, 189 (Personal Finance).  
Business Education 111, 112, 330.  
Corrections 101.  
Curriculum and Instruction (courses may be taken for University Studies *by non-teacher education students only*) 228, 231, 232, 235, 328.  
Educational Administration 289 (Leadership in Educational Institutions).  
English 189 (Literature in the Movies), 289 (Politics in Literature).  
Foreign Languages 189 (Chicano Studies).  
Health and Physical Education: All 100-149 courses (*except* the dance courses 120, 123, 124 included in Group A) and 180, 181, 182, 225, 267, 268, 269, 340.  
Home Economics 106, 131, 132, 330.  
Industrial Technology 308.  
Information Sciences 115, 140, 241.  
Philosophy 120, 206, 211.  
Political Science 289 (Politics in Literature).  
Psychology 112, 230.  
Speech Communication 210.  
Speech Pathology and Audiology 115, 120.  
University Studies 189 (Women Today), 189 (Blacks and Whites).

In addition to the interdisciplinary and applied courses above, the following courses may also be used to

satisfy Group E requirements: (1) any experimental University Studies course (189, 289, 389) approved for Group E, any 306 (Regional and Area Studies course), and any departmental Independent Study project not in the student's major field, *provided* that the project is approved in advance by the department and the Director of Honors.

**Dean's Recommendation on University Studies:** While the University Studies program outlined above provides much flexibility, the Dean of Undergraduate Instruction recommends that entering freshmen students give strong consideration to structuring a program of courses which will satisfy the University Studies requirement by providing basic general education background and skills. In Group A, ENG 101 (Language and Composition) and SP 110 (Fundamentals of Speech) are strongly recommended toward building basic written and oral communication skills, and many students may also wish to take a year of foreign language. In Group B, the entering freshman should strongly consider either (1) the integrative, interdisciplinary Humanities courses (US 101 and 102, Humanities I and II on European Civilization) or US 189 (Humanities III and IV on British Civilization), or (2) a combination of regular literature courses from English or Foreign Language courses listed together with History and Philosophy courses. In Group C, a basic mathematics course is recommended and students should strongly consider at least one laboratory course from among the basic science courses listed in Biological Sciences, Chemistry, Physics, and Geography-Geology. In Group D, students should build a background in the basic social and behavioral sciences by strongly considering courses such as ECO 100, POS 105, PSY 111, SOA 106, and HIS 137. Group E provides the opportunity for selection of interdisciplinary courses or courses from among several applied areas. Freshmen are advised in the Academic Advisement Center and competent advisers are available there to assist students in structuring a University Studies program providing the general education background and skills necessary for later specialized study in the student's major discipline.

## Individual University Studies Program

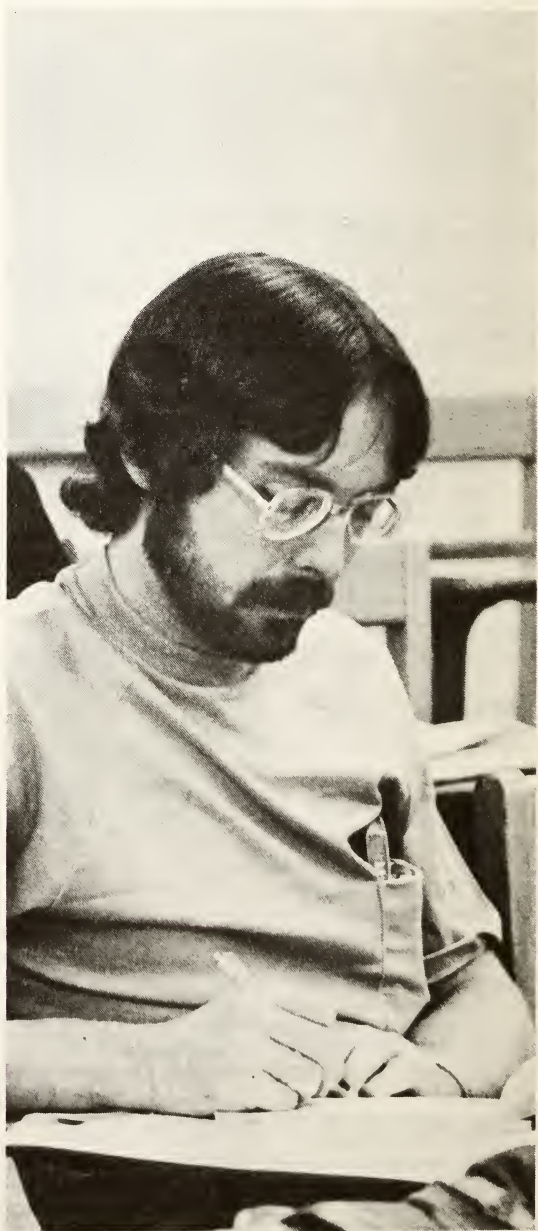
Any freshman student who has completed fewer than 25 hours may elect the Individual University Studies program as an alternative to meeting the requirements specified in the regular University Studies program. This option allows the student and his or her faculty adviser to plan a completely individualized program which considers the student's previous experience and particular interests. A student interested in pursuing the program should:

1. Obtain information and Individual University Studies (ISU) material from the Office of the Dean of Undergraduate Instruction. Students normally enter the program **during** the first semester of the freshman year, after having registered for their first semester's courses.
2. Meet with his or her faculty adviser to discuss an individualized program and complete the plan of study which outlines the minimum of 42 hours (exclusive of courses taken in the student's major department) that will be taken to complete the program. The IUS plan of study may utilize any course in the University. It is not necessary that the plan include the 6-12 hours area requirement of the regular University Studies program. US 187 and 287 (Independent Study) are available in the program. Students desiring to use these courses should first consult the Director of Honors.
3. Submit a completed plan of study to the Office

of the Dean of Undergraduate Instruction. The program will be approved if (a) the student has completed fewer than 25 college hours, and (b) the IUS contract is agreed to by both the student and his or her faculty adviser. Changes may be made later in the plan of study contract by agreement between the student and adviser.

4. Submit to the Dean of Undergraduate Instruction during the semester in which the student will complete the IUS contract, a listing of courses actually completed or in process which will complete the program. This information is submitted to the Registrar to validate the successful completion of the student's IUS program.

Teacher education students who elect this program are advised that they are individually responsible for meeting the general education requirements for teacher certification and requirements for admission to the University's teacher education program. Students may meet these requirements within the IUS program, but must plan their programs accordingly.





# Undergraduate Major and Minor Program Requirements

Each undergraduate program available at Illinois State University is listed below including majors, comprehensive majors, and minors. Three general items of information are provided for each program: (1) the degrees which are offered for students who major in the program; (2) the department of office in the University a student should contact for further information about the academic major or minor; and (3) the availability of liberal arts and/or teacher education programs in the area of study. Where two or more sequences are identified under a major, the student selects one of these sequences. Many programs are identical for both liberal arts and teacher education students. Where these programs are different, the major or minor for students preparing to teach is identified as an "Education" program. For example, the liberal arts student studying French should complete the regular French major and the teacher education student the French Education major. As a further example, the student of Mathematics completes the same major or minor program whether that student is a liberal arts or teacher education student. All references to hours are to semester hours.

The following abbreviations for departmental course offerings are used both in the program section and in the course listing section of the catalog. They are also identical with those used in the Class Schedule.

ACC	Accounting
AGR	Agriculture
AHP	Allied Health Professions
ART	Art
BSC	Biological Sciences
BUA	Business Administration
BED	Business Education
CHE	Chemistry
COR	Corrections
C&I	Curriculum and Instruction
ECO	Economics
ENG	English
FOR	Foreign Languages
GEO	Geography-Geology
HPR	Health, Physical Education and Recreation
HIS	History
HEC	Home Economics
IT	Industrial Technology
INS	Information Sciences
MAT	Mathematics
MUS	Music
PHI	Philosophy
PHY	Physics
POS	Political Science
PSY	Psychology
SOA	Sociology-Anthropology
SED	Special Education
SP	Speech Communication
PAS	Speech Pathology-Audiology
THE	Theatre
US	University Studies

## Accounting

Degree Offered: B.S. Further Information: Department of Accounting. No teacher education program offered.

### COMPREHENSIVE ACCOUNTING MAJOR

- 50 hours required in Business (ACC, BUA, BED).
- Required courses: ACC 131, 132, 230, 231, 232, 260, 333, 335. 9 hours chosen from ACC 330, 332, 334, 337, 361, 366, 367, 375. BUA 110, 111, 220, 240.
- 5 hours of Business electives, including 2 hours of BUA at the 200 level or higher.
- 20 hours approved by department adviser including ECO 101, MAT 250 or BUA 100, MAT 121.

An Accounting major has the option to concentrate in financial accounting, management accounting, tax accounting, governmental accounting or business information systems (data processing). Community college students who expect to major in Accounting should consult the chairperson of the ISU Department of Accounting near the end of their freshman year.

### MINOR IN ACCOUNTING

- 21 hours in Accounting required.
- Required courses: ACC 131, 132, 231, 232.
- 9 elective hours in ACC courses.

## Agribusiness

Degree Offered: B.S. Further Information: Department of Agriculture. No teacher education program offered; see Agriculture for teacher education program.

### COMPREHENSIVE AGRIBUSINESS MAJOR

- 55 hours required, including 36 hours in Agriculture and 19 hours in the College of Business and/or Department of Economics.
- Required courses: AGR 110, 130, 150, 170; ECO 100, 101; One approved course in MAT.

The student must complete a minimum of 15 semester hours in Agricultural Economics courses selected from AGR 110, 213, 214, 215, 216, 314, and 316 and a minimum of 19 hours in the College of Business and/or Department of Economics, which includes ECO 100 and 101. AGR 295 and 396 do not count toward this major.



# Agriculture

Degrees Offered: B.S., B.S. in Ed. Further Information: Department of Agriculture. Teacher education and non-teaching programs offered. Teacher education students should elect the Agricultural Education sequence under the comprehensive major.

## COMPREHENSIVE MAJOR IN AGRICULTURE General Agriculture Sequence

- 55 hours in Agriculture required.
- Required courses: AGR 110, 130, 150, 157, 170; BSC 121 or 190; 5 hours of Chemistry.
- Required hours in Agriculture courses: 11 in Agronomy, 8 in Agricultural Economics, 13 in Animal Science, 6 in Agricultural Mechanics, 17 in Agriculture electives. AGR 295 and 396 do not count toward this sequence.

## Agricultural Education Sequence

- 55 hours in Agriculture required.
- Required courses: AGR 110, 130, 150, 157, 170, 280, 295, 396; BSC 121 or 190; 5 hours of Chemistry.
- Required hours in Agriculture courses: 11 in Agronomy, 8 in Agricultural Economics, 13 in Animal Science, 9 in Agricultural Economics, 8 in Agricultural Education, 6 in Agriculture electives.

C&I 231 is not required of teaching majors in this program. Students who complete this program will be certified for teaching agriculture occupations programs (vocational agriculture).

## Agricultural Science Sequence

- 55 hours required, including 36 hours in Agriculture and 19 hours in Biological Sciences, Chemistry, Physics, and/or Mathematics.
- Required courses: AGR 110, 130, 150, 170; BSC 121 or 190; 9 hours of Chemistry.

The student must complete at least 20 hours in either Animal Science or Plant and Soil Science and a minimum of 19 hours in Biological Sciences, Chemistry, Physics, or Mathematics, which includes BSC 121 or 190. AGR 295 and 396 do not count toward this sequence.

## MAJOR IN AGRICULTURE

- 36 hours in Agriculture required.
- Required courses: AGR 110, 130, 150, 170; BSC 121 or 190; 5 hours of Chemistry.
- At least one course in each of three of the specialized areas of Agricultural Economics, Agricultural Mechanics, Agronomy, and Animal Science.

## MINOR IN AGRICULTURE

- 24 hours in Agriculture required.
- Required courses: AGR 110, 130, 150, 170.

# Anthropology

Degrees Offered: B.A., B.S. Further Information: Department of Sociology-Anthropology. Identical liberal arts and teacher education programs.

## MAJOR IN ANTHROPOLOGY

- Minimum of 30 and maximum of 45 hours in Anthropology required.
- Required courses (18 hours): SOA 180, 182, 183, 285, 286, 380.
- Electives (12 hours) selected from among other Anthropology courses.

Students will be advised in individual consultation to take a number of supporting courses in cognate disciplines. The program in cognates may emphasize either

the social sciences or the natural sciences, reflecting the student's primary interest in cultural anthropology, biological anthropology, or archeology.

## MINOR IN ANTHROPOLOGY

- 18 hours in Anthropology required.
- Required courses: SOA 180, 182.

Additional Anthropology electives will be recommended on an individual basis.

# Art

Degrees Offered: B.A., B.S., B.S. in Ed. Further Information: Department of Art. Separate liberal arts and teacher education programs. Art programs are accredited by the National Association of Schools of Art.

## MAJOR IN ART

- 37 hours in Art required.
- Required courses: ART 103, 104, 106, 109, 155, 156; 6 hours from ART 224, 228, 232, 240; 6 hours from ART 213, 226, 261; any 300 level Art History course; 4 hours of electives in ART. ART 201, 202, 203, 204, 309 do not count toward major.

## COMPREHENSIVE ART MAJOR

- 55 hours in Art required.
- Required courses: ART 103, 104, 106, 109, 155, 156; 6 hours from ART 224, 228, 232, 240; 6 hours from ART 213, 226, 261; any 300 level Art History course; 22 hours of electives in ART. ART 201, 202, 203, 204, 309 do not count toward major.

## COMPREHENSIVE ART EDUCATION MAJOR:

- 55 hours in Art required.
- Required courses: ART 103, 104, 106, 109, 155, 156, 201, 309 (2 consecutive semesters); 6 hours from ART 224, 228, 232, 240; 6 hours from ART 213, 226, 261; any 300 level Art History course; 13 hours of electives in ART.

## MINOR IN ART

- 27 hours in Art required.
- Required courses: ART 103, 104, 106, 109, 155, 156; 9 hours of electives in ART. ART 201, 202, 203, 204, 309 do not count toward minor.

## MINOR IN ART EDUCATION

- 27 hours in Art required.
- Required courses: ART 103, 104, 106, 109, 155 or 156, 201, 202 or 203, 204 (204 must be taken concurrently with 202 or 203); 6 hours of electives in ART.

# Arts and Sciences

Degrees Offered: B.A., B.S. Further Information: Dean of the College of Arts and Sciences. Liberal arts program only; no teacher education program available.

The Arts and Sciences program is an interdisciplinary contract major for meeting student goals which cannot be accommodated by other academic majors. Admission requirements are:

1. A minimum comprehensive ACT score at the 85th percentile for freshmen. Entering freshmen enroll as General Students and apply for admission to this major during their first semester.

2. An overall GPA of 3.00 or higher for non-freshmen and transfer students.

3. Students who do not meet the criteria above may be considered for admission to the program on the



recommendation of two faculty members from different Arts and Sciences departments.

4. Petition for admission to this major must occur prior to the completion of 90 hours, or at least 15 hours of approved Arts and Sciences program work must be completed after admission to the program.

A concentration in Urban Studies is available to students under the Arts and Sciences major. Interested students may contact Dr. Joseph Honan in the Department of Political Science. A concentration in Quantitative Economics is available to students under the Comprehensive Arts and Sciences major. Interested students may contact the department chairperson in either Economics or Mathematics.

#### **MAJOR IN ARTS AND SCIENCES**

- 35 hours required in Arts and Sciences in addition to the requirements for University Studies.
- Maximum of 25 hours from any one department.
- Individual program developed with a designated faculty adviser and approved by the Dean of the College of Arts and Sciences.

#### **COMPREHENSIVE ARTS AND SCIENCES MAJOR**

- 50 hours required in Arts and Sciences.
- Maximum of 25 hours from any one department.
- Minimum of 18 hours from one department required.
- Individual program developed with a designated faculty adviser and approved by the Dean of the College of Arts and Sciences.

## Biological Sciences

Degrees Offered: B.A., B.S., B.S. in Ed. Further Information: Department of Biological Sciences. Identical liberal arts and teacher education programs, except that the Community and Public Health sequence in the major is a liberal arts program only.

#### **MAJOR IN BIOLOGICAL SCIENCES**

**Biological Sciences Sequence** (liberal arts or teacher education)

- 37 hours in Biological Sciences required.
- Required courses: BSC 121, 190, 216, 260, 304, 319, with a minimum of 8 additional hours of laboratory requirements. Chemistry through organic chemistry and one year of general physics also required.

**Community and Public Health Sequence** (liberal arts only)

- 37 hours in Biological Sciences required.
- Required courses: BSC 121, 190, 216, 240, 242, 259, 260, 261, 304, 319, 283 or 360 or 383. A maximum of 3 hours of 259 may be applied to the total requirement of 37 hours. Chemistry through organic chemistry and one year of general physics also required.
- In addition, an internship experience agreed upon by the department must be completed. Additional courses in psychology, philosophy, sociology-anthropology, allied health, and speech communication should be elected in consultation with an adviser.

#### **COMPREHENSIVE BIOLOGICAL SCIENCES MAJOR**

- 53 hours in Biological Sciences required.
- Required courses: BSC 121, 190, 216, 260, 304, 319. Chemistry through organic chemistry and one year of general physics also required.

#### **MINOR IN BIOLOGICAL SCIENCES**

- 24 hours in Biological Sciences required.
- Required courses: BSC 121, 190.



- 16 hours of electives selected from among BSC 122, 123, 160, 191, 192, 201, 216, 217, 260, 283, 294, 300, 319, 320, 331, 333, 334, 360, 365, 381, 383, 390, 391, 392, 394, 395, 396. Transfer credit will be evaluated on an individual basis.

## Business Administration

Degree Offered: B.S. Further Information: Department of Business Administration. No teacher education program.

#### **COMPREHENSIVE BUSINESS ADMINISTRATION MAJOR**

- 50 hours required in Business (ACC, BUA, BED).
- Required courses (30 hours in BUA and ACC): BUA 100, 110, 217, 220, 230, 240, 285; ACC 131, 132, 160. In addition, ECO 100 and 101 and MAT 115 or 121 or 135 must be completed as either University Studies or as general electives. ECO 320, 333, 339, 340 may be substituted for BUA 217.
- Elective courses (20 hours) from among BUA or ACC courses. BED 215 may be included in these electives; BUA 189 (Personal Finance), 233, and 234 may not be included. Students should consult with a departmental adviser in selecting electives.
- Not more than 9 hours of Business courses (ACC, BUA, BED) nor more than 18 hours in Business and Economics courses may be included as general electives toward the 120 hours for graduation.

Community college students who expect to major in Business Administration at Illinois State should consult the chairperson of the Department of Business Administration at ISU near the end of their freshman year.

#### **MINOR IN BUSINESS ADMINISTRATION**

- 20 hours required in Business (ACC and BUA).
- Required courses: ACC 131, BUA 110, 220, 230, 240.
- 5 hours selected from among ACC 132, the data processing courses offered in Accounting, and those BUA courses available for credit to Business Administration majors.

# Business Education

Degrees Offered: B.A., B.S., B.S. in Ed. Further Information: Department of Business Education. Teacher education program only; see Office Administration for non-teaching program.

## COMPREHENSIVE BUSINESS EDUCATION MAJOR

- 55 hours required in Business (ACC, BUA, BED).
- Required courses: ACC 131, 132, 260; BUA 110, 111, 220, 230, 240; BED 111, 114, 115, 117, 124 or 321, 211, 270, 330, 361; and 6 hours selected from among BED 390 and 392 or 394 and 396.
- Additional electives must be selected from ACC, BUA, and BED courses.
- ECO 100 and 101 must be completed and BUA 110 and 111 may be completed as University Studies or general electives.

## COMPREHENSIVE DISTRIBUTIVE EDUCATION MAJOR

- 55 hours required in Business (ACC, BUA, BED).
- Required courses: ACC 131, 132, 260 (or BED 321); BUA 110, 111, 220, 230, 233, 234, 235, 240; BED 111, 117, 330, 361, 380, 381, 382, 383.
- Additional electives must be selected from ACC, BUA, and BED courses.
- ECO 100 and 101 must be completed and BUA 110 and 111 may be completed as University Studies or general electives.

Students meeting the state occupational experiences requirement of one year of successful full-time employment in distributive occupations, or a minimum of 2,000 clock hours of approved work in the distributive field, may request that other courses in Business be substituted for BED 381.

## MAJOR IN SECRETARIAL EDUCATION

- At least 37 hours required in Business (ACC, BUA, BED).
- Required courses: ACC 131, 132, BUA 110, 111, 220, 230; BED 111, 114, 115, 124, 211, 270, 361, 394 or 396.
- ECO 100 and 101 must be completed and BUA 110 and 111 may be completed as University Studies or general electives.

## MAJOR IN GENERAL BUSINESS EDUCATION

- At least 37 hours required in Business (ACC, BUA, BED).
- Required courses: ACC 131, 132, 260; BUA 110, 111, 220, 230, 240; BED 111, 114 or 321, 117, 330, 361, 390 or 392.
- ECO 100 and 101 must be completed and BUA 110 and 111 may be completed as University Studies or general electives.

## MINOR IN BUSINESS EDUCATION

- 24 hours required in Business (ACC, BUA, BED).
- Required courses: ACC 131, 132; BUA 220, 230; BED 111, 114, 124 (or ACC 260), 211.

# Chemistry

Degrees Offered: B.A., B.S. Further Information: Department of Chemistry. Liberal arts and teacher education programs available; a teacher education student may select either the B.A. or B.S. program. The Department of Chemistry is on the approved list of the American Chemical Society.

## B.S. CHEMISTRY MAJOR

- 37 hours required in Chemistry, including at least 27 hours in courses numbered 200 or higher.
- Required courses: CHE 140 and 141 (or 150), 230, 232, 233, 315, 350, 360, 361, 362, 363; one year of physics, preferably PHY 110 and 111; approved elective courses selected from among CHE courses numbered 200 or higher.
- One year of a foreign language is highly recommended, preferably German, Russian, or French.

## B.A. CHEMISTRY MAJOR

- 37 hours required in Chemistry, including at least 27 hours in courses numbered 200 or higher.
  - Required courses: CHE 140 and 141 (or 150), 230, 232, 360, 362; approved elective courses selected from among CHE courses numbered 200 or higher.
- Approved advanced elective courses from other natural sciences departments may replace up to a maximum of 6 of the required 27 hours. Students electing this program should also consult University requirements for the B.A. degree.

## MINOR IN CHEMISTRY

- 23 hours required in Chemistry, including at least 13 hours in courses numbered 200 or higher.
- Required courses: CHE 140 and 141 (or 150).

**Interdisciplinary Degree:** Students wishing to complete an interdisciplinary degree in Chemistry and Physics should consult the program of the Physical Sciences major.

**Basic Chemistry Courses for Majors:** Chemistry majors are normally expected to take Chemistry 140 and 141. A student who demonstrates high achievement in Chemistry at the pre-college level may take 150 in place of 140 and 141. Chemistry 110 and 114 may be taken in place of 140. This 6-hour sequence is designed for students who are not sufficiently prepared for Chemistry 140 and for students who elect to become Chemistry majors or minors after having completed 110.

# Corrections

Degrees Offered: B.A., B.S. Further Information: Program in Corrections. No teacher education program.

## COMPREHENSIVE CORRECTIONS MAJOR

- 55 hours required.
- Required courses: COR 101, 201, 202, 203, 397 (6 hours)\*, 398 (6 hours)\*; PSY 111; SOA 106, 263.
- 22 hours of electives selected with the approval of an academic adviser from among any of the following courses: BUA 110; COR 204, 289 (Inmate Cultures), 389 (Seminar in Criminology for Corrections), 389 (Organization and Management of Correctional Facilities), 389 (Seminar in Corrections), 390; C&I 360; POS 215, 231, 330, 331; PSY 131, 232, 290, 301, 302, 350; SOA 221, 222, 264, 332, 365, 367; SED 346, 358. Also from among elective courses recommended for students contemplating careers in institutional corrections: BUA 220, 321; IT 171, 378; PSY 230; SED 345. Also from among elective courses recommended for students contemplating careers in community-based corrections: SOA 261, 262, 323, 324, 325, 368.

## MINOR IN CORRECTIONS

- 18 hours required.
- Required courses: COR 101, 201, 397 (4 hours)\*.
- 8 hours of electives selected with the approval of an academic adviser from among the elective courses listed under the comprehensive major above.

\*Students contemplating Corrections as a second major



or as a minor are advised that students carrying Corrections as a first major receive priority consideration for admission into COR 397 and 398 (Externship in Corrections). Depending upon the availability of resources and placement opportunities, it may be necessary to limit enrollment in COR 397 and 398 to students enrolled in the comprehensive major as their first designated field. Students should consult with the Program in Corrections about externship placement opportunities.

## Dance

Degrees Offered: B.A., B.S., B.S. in Ed. Further Information: Department of Health, Physical Education and Recreation. Separate teacher education and non-teaching programs.

### COMPREHENSIVE DANCE EDUCATION MAJOR

- 55 hours required.
- Required courses (48 hours): HPR 120, 4 hours from among HPR activity courses 157, 162, 163, 6 hours from among 166 or 167 or 266, 181, 221, 235, 242, 265, 4 hours from among 267 or 268 or 269, 282, 2 hours from among 125 or 261 or 368, 341, 360, 362, 363, 383.
- Elective courses (7 hours) in HPR to extend competencies in physical education and dance.

### COMPREHENSIVE DANCE MAJOR

- 55 hours required.
- Required courses (37-38 hours): HPR 120, 165, 6 hours from among 166 or 167 or 266, 181, 260, 263, 265, 4 hours from among 267 or 268 or 269, 287 (1 or 2 hours), 2 hours from among 125 or 261 or 368, 2 hours from 360 or 365, 361, 362, 363.
- Elective courses (17-18 hours) are to be selected in consultation with an adviser according to the student's specialized interest in the areas of anthropology, dance criticism, education, performance/choreography, production/management, recreation, technical design, or dance therapy. A listing of currently acceptable courses from departments throughout the University which will meet the elective requirement is maintained in the office of the Department of Health, Physical Education and Recreation.

### MINOR IN DANCE EDUCATION (for HPR majors only)

- 22 hours required.
- Required courses (8-10 hours): HPR 124 or 166, 4 hours from among 267 or 268 or 269, 361 or 362.
- Elective courses (12-14 hours) selected from Dance courses.

### MINOR IN DANCE EDUCATION (for all except HPR majors)

- 22 hours required.
- Required courses (14-16 hours): HPR 120, 123 or 166, 162, 181, 260, 360, 361 or 362.
- Elective courses (6-8 hours) selected from Dance courses.

### MINOR IN DANCE

- 22 hours required.
- Required courses (8 hours): HPR 181, 260, 361 or 362.
- Elective courses (14 hours) selected from Dance courses.

## Economics

Degrees Offered: B.A., B.S., B.S. in Ed. Further Information: Department of Economics. Identical liberal

arts and teacher education programs.

### MAJOR IN ECONOMICS

- 27 hours in Economics required.
- Required courses: ECO 100, 101, 130, 131, 340, 341. MAT 115, 121, or 135 may be substituted for ECO 130.
- Areas of emphasis (student may elect one of the following options):
  1. *Business and Government*: Required courses above plus BUA 110 and 111, ACC 131 and 132, and ACC 160 or MAT 168.
  2. *Graduate School*: Required courses above plus ECO 330, ECO 331 or MAT 350, and MAT 168.
  3. *Social Sciences*: Required courses above plus 12 hours in the Social Sciences (POS, PSY, SOA) with at least one course from each of these three departments.

### MINOR IN ECONOMICS

- 18 hours in Economics required.
- Required courses: ECO 100, 101.

A concentration in Quantitative Economics is available to students under the Comprehensive Arts and Sciences major. Interested students may contact the Department Chairperson in either Economics or Mathematics.

## Elementary Education

Degrees Offered: B.A., B.S., B.S. in Ed. Further Information: Department of Curriculum and Instruction. Teacher education programs only.

### MAJOR IN ELEMENTARY EDUCATION

There are two distinct sequences in Elementary Education, the Core Program and the Traditional Program. Students presently enrolled in the Traditional Program may continue in it. Other students, both entering freshmen and those new to Elementary Education, follow the Core Program. **The Core Program is recommended.**

#### Core Program

- 48½ hours required.
- Required courses: C&I 102 (Continuing Seminar from 3 to 5 semesters for a minimum of 1½ and a maximum of 2½ hours. C&I 250 (Core I — The Arts), 12 hours. C&I 251 (Core II — Communication Skills), 12 hours. C&I 252 (Core III — Natural and Social Sciences), 10 hours. C&I 253 (Clinical Center Practicum), 10 hours. C&I 231 or 228 or 235, 3 hours.

The sophomore student joins a Continuing Seminar which provides a close personal relationship with one faculty member and a small group of students until graduation. The seminar explores the interests and needs of students, and helps the student choose a minor, another major, or electives that will complement the Elementary Education degree.

The formal coursework is taken through the Core units. This work is ordinarily started during the second semester of the sophomore year or the first semester of the junior year. Each Core unit is 10-12 hours of course work, and lasts for a semester. A Core is a unified program of course work and classroom experiences taught by a team of Elementary Education teachers and instructors from other departments. The Cores represent three major curriculum areas: Core I — the Arts, Core II — Communication Skills, and Core III — the Natural and Social Sciences. The student enrolls for these in sequence. Each core covers: (1) a common content, such as the Arts; (2) knowledge about the physical, cognitive, social and creative development of children; (3)

knowledge about the school curriculum and organization; and (4) direct teaching experience with children. The final semester is spent off campus in a Clinical Center. This provides a wide variety of direct experience with children and adults in various socio-economic and ethnic groupings. Students also work with various community agencies as well as the elementary school. With one exception all major work is contained within the core units, but the students will be assisted in planning other coursework to fulfill the various degree requirements. The course requirement not contained in the Core is Curriculum and Instruction 231 or 228 or 235.

### Traditional Program

- 61 hours required, including 27 hours of Professional Requirements and 34 hours in one of three levels of elementary education or a combination of the three levels.
- 27 hours of Professional Requirements: C&I 210, 220, 231 or 228 or 235, 270 or 280 or 290 as appropriate to level, 298, 302, 399 (8 hours).
- 34 hours in one or a combination of the following three levels:

1. *Kindergarten-Primary*: ART 101 and 102; ENG 170 and 271; GEO 135; HPR 222; MAT 151 and 201; MUS 277 and 2 hours of Music electives from MUS 121, 122, 171, 270, or Applied Music courses; at least 5 hours of natural sciences electives from BSC, CHE, GEO, PHY courses or C&I 230; at least 3 hours of speech electives from among SP 242, PAS 112, 115, and THE 141, 232.
2. *Intermediate Grade*: ART 101 and 102; ENG 170 and 272; GEO 135; HPR 222; MAT 151 and 201; MUS 277 and 2 hours of electives from MUS 151, 152, 270, or Applied Music courses; at least 5 hours of natural sciences electives from BSC, CHE, GEO, PHY courses or C&I 230; at least 3 hours of speech electives from SP 223, 242, THE 141, 233.
3. *Upper Grade*: Requirements same as for Intermediate Grades, *except* for the speech elective, which is: At least 3 hours of speech electives from SP 223, 242, 321, PAS 112, 115, 311, THE 141, 233.

**Electives in Elementary Education:** In addition to the courses required for the major in either the Core Program or Traditional Program and the course work required in University Studies, the student will have general elective courses to choose from. A student, in consultation with a departmental adviser, should select a sufficient number of electives so that the total amount of credit equals the requirements for graduation. Electives may be selected from the total catalog of courses provided the student meets the prerequisites for the course and has the approval of an adviser. From these courses, a student might concentrate in a specific field of study, or might select additional specialized professional courses in the areas of Urban Elementary School, Social Studies, Language Arts, Educationally Disadvantaged, Science Methods, Teaching of Reading, Organization and Management of the Classroom, and Early Childhood Education. If a student elects to concentrate in a specific field of study, the student may take a minor or second major by following the appropriate program requirements as stated in this catalog.

## English

Degrees Offered: B.A., B.S. Further Information: Department of English. Separate liberal arts and teacher education programs.

### MAJOR IN ENGLISH

- 36 hours in English required, *exclusive* of ENG 101 and courses in the teaching of English (290, 291, 296, 297, 370, 372, 375, 390, 395).
- Suggested program, but not required (student may depart from suggested program by filing a plan of study for approval of the chairperson of the department or designated representative):  
ENG 102, 103.  
12 hours of British Literature, including two courses from each of the following areas:  
To 1660 — ENG 213, 214, 215, 222, 223, 312, 313, 320, 325.  
After 1660 — ENG 216, 217, 218, 219, 317, 324, 327, 386, 387, 388.  
6 hours of American Literature, including one course from each of the following areas:  
To 1870 — ENG 231, 232, 336.  
After 1870 — ENG 233, 234, 235, 236, 336.  
12 hours of electives from any of the above courses or from ENG 145, 150, 170, 241, 243, 245, 247, 250, 251, 252, 254, 255, 256, 271, 272, 285, 286, 287, 299, 306, 310, 311, 328, 341, 342, 347, 348, 349, 373, 382, 392, 397, 399. ENG 189, 289, 298, 332, and 389 may be substituted where applicable.

### COMPREHENSIVE ENGLISH EDUCATION MAJOR

- 54 hours in English required, *exclusive* of ENG 101.
  - Required courses: ENG 102, 103, 145, 222 or 223, 241, 243, 291 or 296 or 297, 375.
  - 30 hours of electives selected from the following three areas:
- Area 1 (12 hours) — English Literature: ENG 213, 214, 215, 216, 217, 218, 219, 222 or 223, 312, 313, 317, 320, 324, 325, 327, 328, 386, 387, 388.
  - Area 2 (12 hours) — American Literature, World Literature, and Genre: ENG 150, 231, 232, 233, 234, 235, 236, 250, 251, 252, 254, 255, 256, 285, 286, 328, 332, 336, 382.
  - Area 3 (6 hours) — Language and Children's Literature: ENG 245, 247, 272, 290, 296 or 297, 310, 311, 341, 342, 347, 348, 349, 370, 372, 390, 392, 395; or Journalism: INS 165, 166, 268, 269.

Students must elect at least one 300-level course in addition to 375 and may take no more than three 300-level courses, except with consent of the department chairperson. ENG 189, 289, and 389 may be substituted where applicable.

### MAJOR IN ENGLISH EDUCATION

- 36 hours in English required, *exclusive* of ENG 101.
- Required courses for certification and accreditation: 6 hours of composition selected from ENG 101, 145, 291, 297, 349; 3 hours in grammar, ENG 243; ENG 102, 103; one course in language selected from ENG 241, 245, 310, 311, 341, 342.
- Suggested program, but not required (student may depart from suggested program by filing a plan of study for approval of the chairperson of the department or designated representative):  
9 hours of British Literature, with some historical spread selected from ENG 213, 214, 215, 216, 217, 218, 219, 222, 223, 312, 313, 317, 320, 324, 325, 327, 386, 387, 388.  
6 hours of American Literature, including one course from each of the following areas:  
To 1870 — ENG 231, 232, 336.



After 1870 — ENG 233, 234, 235, 236, 336.  
3 hours of World or Children's Literature from ENG 150, 170, 250, 251, 252, 254, 255, 256, 271, 272, 370, 372, 373, 375.

Electives from any of the courses listed above or from ENG 145, 247, 285, 286, 290, 296, 297, 299, 306, 328, 347, 348, 349, 382, 390, 392, 395, 397, 399. English 189, 289, 298, 332, and 389 may substitute where applicable.

#### MINOR IN ENGLISH

— 18 hours in English required, *exclusive* of ENG 101 and courses in the teaching of English (290, 291, 296, 297, 370, 372, 375, 390, 395).

#### MINOR IN ENGLISH EDUCATION

— 24 hours in English required, *exclusive* of ENG 101.  
— Required courses: ENG 102, 103; 6 hours in composition selected from ENG 101, 145, 291, 297, 349; 3 hours in grammar, ENG 243.

**Students Planning Graduate Study in English:** Students who plan graduate study in English may find it advisable to take at least one year of foreign language, preferably French or German. Such students may also find it advisable to take a sequence of courses leading to a concentration in literature of England or America, Children's Literature, or professional studies in English. An appropriate program may be planned in consultation with the chairperson of the Department of English.

## Environmental Health

Degree Offered: B.S. Further Information: Center for Allied Health Professions. No teacher education program.

#### COMPREHENSIVE ENVIRONMENTAL HEALTH MAJOR

— 55 hours required.  
— Required courses (42 hours): AHP 150, 389 (Advanced Environmental Health, 3 hours), 389 (Supervised Field Internship in Environmental Health, 3 hours), BSC 190, 260, CHE 140, 141, 220, MAT 110.  
— Elect at least 10 hours from among the following courses: AHP 151, 253, 254, 287 (1-3 hours), 351, BSC 360, CHE 280.  
— Strongly recommended courses: CHE 242, 360, 362, MAT 115 and 116 or 135 and 136 PHY 105 or 108 and 109.

#### MAJOR IN ENVIRONMENTAL HEALTH

— 18 hours from among the specific courses listed below required. Note that several of these courses have biology, chemistry, and physics prerequisites; probable prerequisites include BSC 190, 260, CHE 140, 141, 220, PHY 105, or the equivalents.  
— Required 18 hours selected from among AHP 150, 151, 253, 254, 351, 389 (Advanced Environmental Health), BSC 360, CHE 280.

#### MINOR IN ENVIRONMENTAL HEALTH

— 12 hours from among the specific courses listed below required. Note that several of these courses have biology, chemistry, and physics prerequisites; probable prerequisites include BSC 190, 260, CHE 140, 141, 220, PHY 105, or the equivalents.  
— Required 12 hours selected from among AHP 150, 151, 351, 389 (Advanced Environmental Health), BSC 360, CHE 280.

## Ethnic and Cultural Studies

No major offered. Further Information: Coordinator of Ethnic and Cultural Studies in the Office of Undergraduate Instruction.

#### MINOR IN ETHNIC AND CULTURAL STUDIES

— 24 hours required from any courses which apply to the minor. Student elects one of the five areas of emphasis listed below.

1. **Afro-American Arts.** Required courses: ART 289 (Minority Arts); MUS 153; at least one course in Afro-American history; at least one course in Afro-American literature; at least three courses from among Afro-American Art, Black Music, and Black Theatre. Total of 24 hours required.
2. **Afro-American Studies.** Required courses: ART 277 or 278; MUS 153; SOA 264 and 384; at least two courses in Afro-American history; at least one course in Afro-American literature. Total of 24 hours required.
3. **Chicano and Puerto Rican Studies.** Required courses: ART 289 (Minority Arts); SOA 264; FOR 189 (Chicano Studies); Spanish 304, 332. Total of 24 hours required.
4. **General Ethnic and Cultural Studies.** Required courses: ART 277 or 278; MUS 153 or 154; SOA 264; at least one course in HIS and one course in ENG from the list of courses which apply to the major below. Total of 24 hours required. Students may elect the General Ethnic and Cultural Studies area of emphasis to pursue a program not available in one of the first three programs. Courses included in such a program must be approved by the Coordinator of Ethnic and Cultural Studies.
5. **Women's Studies.** Required courses: Minimum of 18 hours or total of 24 hours from among the following courses: US (University Studies) 189 (Women Today), 389 (Interdisciplinary Research in Women's Studies); ENG 160, HIS 250; IT 163; PHI 289 (Philosophical Foundation of the Women's Movement); POS 289 (Women in Politics), 390; PSY 189 (Human Sexuality), 305; SOA 289 (Women as a Minority), 341, 342, 366. A minimum of 18 hours is required in the above courses or appropriate 189, 289, and 389 courses. If the student elects fewer than 24 hours from this list of courses, the remainder must be selected from the list of courses below which apply to the Ethnic and Cultural Studies minor. Courses included in the minor must be approved by the Coordinator of Women's Studies (designated for this purpose by the Dean of Undergraduate Instruction).

#### Courses which Apply to Ethnic and Cultural Studies

**Minor:** ART 289 (Minority Arts), 277, 278; C&I 232, 311, 312, 332 (students who plan to teach in an urban setting are advised to take these C&I courses); ENG 235, 389 (Minority Literature); FOR 189 (Chicano Studies) and Spanish 304, 332; GEO 336; HPR 163, 164, 167; HIS 250, 257, 258, 261, 262, 322, 371; MUS 139 (Black Art Singers section), 153, 154; POS 189 (Political Role of Blacks in the U.S.), 222, 289 (Black Politics), 381, 391; PSY 131, 305; SOA 131, 261, 264, 282, 342, 382, 384, 389 (Racial Identification); SP 175; THE 189 (Black Theatre Workshop), 189 (Black Drama).

# French

Degrees Offered: B.A., B.S., Further Information: Department of Foreign Languages. Separate liberal arts and teacher education programs.

## MAJOR IN FRENCH

- 33 hours in French required.
- Required courses: French 111, 112, 115, 116, 221, 222, 231. French 203 does not count toward this major.

## MAJOR IN FRENCH EDUCATION

- 37 hours in French required.
- Required courses: French 111, 112, 115, 116, 204, 231.

## MINOR IN FRENCH

- 25 hours in French required.
- Required courses: French 111, 112, 115, 116, 231. French 203 does not count toward this minor.

## MINOR IN FRENCH EDUCATION

- 25 hours in French required.
- Required courses: French 111, 112, 115, 116, 204, 231.

# Geography

Degrees Offered: B.A., B.S., B.S. in Ed. Further Information: Department of Geography-Geology. Identical liberal arts and teacher education programs.

## MAJOR IN GEOGRAPHY

- 32 hours in Geography required. Student program must be planned in consultation with an adviser. Geology 175 and 380 only may count toward major.
- Required courses: GEO 100, 135, 300, 315, and the courses specified from the three groups below.

1. **Physical Geography:** at least two courses from among GEO 110, 175, 200, 202, 340, 380.
2. **Human Geography:** at least two courses from among GEO 150, 205, 208, 210, 320, 325, 330, 335, 336, 337, 338, 345.
3. **Regional Geography:** at least one course from among GEO 215, 220, 225, 230, 240, 245, 250, 255, 260, 306.

## MINOR IN GEOGRAPHY

- 22 hours in Geography required. Geology 175 and 380 only may count toward minor.
- Required courses: GEO 100, 135, at least one course selected from among each of the three groups listed under the major, and at least one course from among GEO 300, 305, 308, 310, 315.

# Geology

Degrees Offered: B.A., B.S., B.S. in Ed. Further Information: Department of Geography-Geology. Identical liberal arts and teacher education programs.

## MAJOR IN GEOLOGY

- 37 hours in Geology required.
- Required courses: GEO 175, 180, 280, 285, 290, and an accredited summer field course.
- Recommended courses in BSC, CHE, PHY, and MAT should be selected according to the student's area of interest in consultation with an academic adviser.

## MINOR IN GEOLOGY

- 22 hours in Geology required.
- Required courses: GEO 175, 180, 290.

# German

Degree Offered: B.A. Further Information: Department of Foreign Languages. Separate liberal arts and teacher education programs.

## MAJOR IN GERMAN

- 33 hours in German required.
- Required courses: German 111, 112, 115, 116, 213, 221, 222.

## MAJOR IN GERMAN EDUCATION

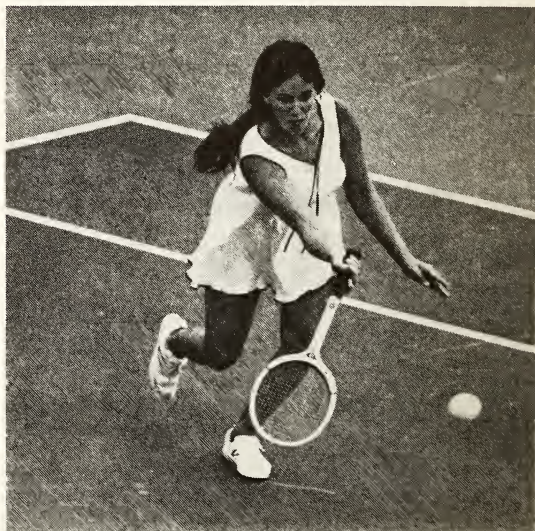
- 37 hours in German required.
- Required courses: German 111, 112, 115, 116, 204, 213.

## MINOR IN GERMAN

- 25 hours in German required.
- Required courses: German 111, 112, 115, 116, 213.

## MINOR IN GERMAN EDUCATION

- 25 hours in German required.
- Required courses: German 111, 112, 115, 116, 204, 213.



# Health and Physical Education

Degrees Offered: B.A., B.S., B.S. in Ed. Further Information: Department of Health, Physical Education and Recreation. Teacher education program in Health and Physical Education available; see related programs in Dance, Health Education, and Recreation and Parks Administration.

## MAJOR IN HEALTH AND PHYSICAL EDUCATION: MEN

- 37 hours in HPE required.
- Required courses: HPR 120, 151, 152, 153, 154, 181, 182, 242, 282, 341, 347; one hour selected from among HPR 103, 106, 112, 129 or 130, 135, 145, 147; electives to complete 37 hours.

## MINOR IN HEALTH AND PHYSICAL EDUCATION: MEN

- 24 hours in HPE required.
- Required courses: HPR 106.02, 120, 137, 181, 182, 242, 341, 347; 3 hours selected from among HPR 103, 105,



119 or 119.02, 127, 128, 139, 141, 141.02, 147, 148; electives to complete 24 hours.

### **COMPREHENSIVE HEALTH AND PHYSICAL EDUCATION MAJOR: WOMEN**

- 50 hours in HPE required.
- Required courses: HPR 120, 123, 155, 157, 162, 180, 181, 182, 221, 235, 242, 282, 341, 347, 360, 383; minimum of 5 hours in sections for majors only of HPR 103, 105, 106, 109, 117, 118, 119, 136, 139, 141, 142; 2 hours of electives from HPR courses numbered 100-149.

### **MAJOR IN PHYSICAL EDUCATION: WOMEN**

- 37 hours in HPE required.
- Required courses: HPR 120, 123, 155, 157, 162, 181, 182, 221, 235, 242, 282, 341, 347, 360, 383; minimum of 5 hours selected in sections for majors only of HPR 103, 105, 106, 109, 117, 118, 119, 136, 139, 141, 142; 1 hour of elective from courses numbered 100-149.

### **MINOR IN ELEMENTARY PHYSICAL EDUCATION: WOMEN**

- 23 hours in HPE required.
- Required courses: HPR 106 or 106.02, 117, 118 or 118.02, 120, 136, 139, 141, 155, 162, 181 or 182, 222 (or C&I 251), 160 (or C&I 252), 224, 225, 242, 321.

### **MINOR IN SECONDARY PHYSICAL EDUCATION: WOMEN**

- 23 hours in HPE required.
- Required courses: HPR 103, 105 or 142, 106, 109, 117, 118, 119, 120, 123, 136, 139, 141, 155, 157, 181 or 182, 242, 304 or 365, 341, 347.

### **Honors in Health Physical Education and Recreation:**

The Department of Health, Physical Education and Recreation offers to the highly qualified major or minor student an individualized program including an honors section in Principles of Physical Education 242 and 3 hours each in Selected Studies 289 and Independent Honors Study 299. Students who are interested apply for admission to the program, offering general academic qualifications. The final designation "Honors in Health, Physical Education and Recreation" on the student's transcript is earned by completing the program and fulfilling specific criteria. Additional information may be obtained from the chairperson of the Department of Health, Physical Education and Recreation.

## **Health Education**

Degree Offered: B.S. in Ed. Further Information: Department of Health, Physical Education and Recreation. Teacher education program only.

### **COMPREHENSIVE HEALTH EDUCATION MAJOR**

- 50 hours required.
- Required courses (30 hours): BSC 160, 181, 182, and 8 hours selected from among BSC 145, 202, 240, 242, 248, and/or 340; HPR 190, 289 (Continuing Seminar and Field Experience in Health Education, 4 hours), 296.
- Elective courses (20 hours) selected in consultation with an adviser with at least one course from six of the following ten groups, with 189, 289 and 389 courses substituting where applicable:
  1. Growing and Developing Organism: PSY 112, 301, 302, 305, BSC 319.
  2. Ecological Relationships: BSC 201, SOA 267.
  3. Disease Control: BSC 160, 240, 260, 261, 360, AHP 201, 202.
  4. Human Sexuality and Family Life: HEC 131,

231, SOA 262.

5. Food Practices and Eating Patterns: HEC 106, 313.
6. Consumer Health Sources and Resources: HEC 330, AHP 100, BUA 331, 351, BED 330.
7. Safety: HPR 180, 280, IT 171, 376, 380.
8. Mood-Modifying Substances: IT 371.
9. Personal Health Practices: BSC 145, HEC 212.
10. Mental and Emotional Health: PSY 232, 365, SP 123, 325.

Remainder of elective courses from among courses with Health Education perspective, including:

- Community: BSC 242, 248, 306, 340, CHE 102, SOA 261, 264, POS 306.  
Philosophical: SOA 268, PHI 100, 120, 232, 360.  
Psychological: PSY 111, 131, SOA 106, 180, 332, SP 223.  
Communication and Evaluation: C&I 240, 330, 387, PSY 360, SP 110.

### **MINOR IN HEALTH EDUCATION**

- 30 hours required.
- Required courses (20-22 hours): Either HPR 181 and 182 or BSC 181 and 182, BSC 160, HPR 190, 289 (Continuing Seminar and Field Experience in Health Education, 4 hours), 296.
- Elective courses (8-10 hours) selected from among BSC 242, 248, or 340 and at least one course from two of the ten groups listed under the major above, with 189, 289, and 389 courses substituting where applicable.

## **History**

Degrees Offered: B.A., B.S. Further Information: Department of History. Identical liberal arts and teacher education programs.

### **MAJOR IN HISTORY**

- 30 hours in History and an additional 18 hours from other specified fields required.
- Required courses: at least 9 hours in United States history and at least 9 hours in world history. A minimum of 9 hours and a maximum of 12 hours at the 100 level will be accepted toward the major, with at least 3 hours each in United States and in European history.
- Additional 18 hours required selected from among ECO, GEO, ENG (literature), PHI, POS, PSY, and SOA courses, with not more than 6 hours in any one of these areas.

### **MINOR IN HISTORY**

- 24 hours in History required.
- Required courses: at least 9 hours in United States history and at least 9 hours in world history, with a minimum of 9 hours and a maximum of 12 hours at the 100 level accepted toward the minor.

**Honors in History:** The department offers honors work in History to highly qualified juniors and seniors who will pursue an individualized program of study. The honors program enables the superior student to reinforce guided private study on historical topics of the student's own choosing with seminar-style research. Students interested in participating in the department's honors program may secure further information by contacting the chairperson of the Department of History. The department also offers in-course honors work in all its courses for students enrolled in the University honors program or in any departmental honors program. In-course honors work is offered at the discretion of the instructor.

# Home Economics

Degrees Offered: B.A., B.S., B.S. in Ed. Further Information: Department of Home Economics and Industrial Technology. Separate Home Economics and Home Economics Education (teaching) programs available.

## COMPREHENSIVE HOME ECONOMICS MAJOR

- 52 hours of Home Economics and specifically related fields required.
- Required courses: Four of the following core courses: HEC 194, 195, 196, 297, 298.

Students are encouraged to select one of the following specialized areas to complete their studies as a Comprehensive Major: (1) Consumer Services, (2) Family and Child Community Services, (3) Foods and Nutrition, (4) Home Economics in Communication Media, (5) Housing and Applied Design, and (6) Merchandising in Clothing and Textiles. Advisers will recommend electives for each of these areas. Students who have not had high school laboratory courses in Biological and Physical Sciences are urged to include one or more courses in each area to meet University Studies requirements.

## COMPREHENSIVE HOME ECONOMICS EDUCATION MAJOR

- 55 hours in Home Economics and specifically related fields required.
- Required courses: HEC 194, 195, 196, 244 (or 389, Competencies for Teachers), 297, 298; ART 103 or 111. ART 109, 126, 140, and 211 may count toward the 55 hours required. Students who have not had high school laboratory courses in Biological and Physical Sciences are urged to include one or more courses in each area to meet University Studies requirements.

## MAJOR IN HOME ECONOMICS

- 37 hours in Home Economics and specifically related fields required.
- Required courses: Three of the following core courses: HEC 194, 195, 196, 297, 298.

Additional courses determined in consultation with an academic adviser designed to meet one of the following areas of specialization: (1) Consumer Services, (2) Family and Child Community Services, (3) Food and Nutrition (Dietetics, Food Service Management), (4) Home Economics in Communication Media, (5) Housing and Applied Design, and (6) Merchandising in Clothing and Textiles, or a General Home Economics Program. Students who have not had high school laboratory courses in Biological and Physical Sciences are urged to include one or more courses in each area to meet University Studies requirements.

## MAJOR IN HOME ECONOMICS EDUCATION

- 38 hours in Home Economics and specifically related fields required.
- Required courses: HEC 194, 195, 196, 244 (or 389, Competencies for Teachers), 297, 298; ART 103 or 111. Students who have not had high school laboratory courses in Biological and Physical Sciences are urged to include one or more courses in each area to meet University Studies requirements.

## MINOR IN HOME ECONOMICS

- 24 hours in Home Economics required.
- Required courses: Three of the following core courses: HEC 194, 195, 196, 297, 298.

## MINOR IN HOME ECONOMICS EDUCATION

- 24 hours in Home Economics required.
- Required courses: HEC 194, 195, 196, 244 (or 389, Competencies for Teachers), 297, 298.

# Industrial Technology

Degrees Offered: B.S., B.S. in Ed. Further Information: Department of Home Economics and Industrial Technology. Separate Technology of Industry and Industrial Education (teaching) programs available.

Students are encouraged to specialize in one or more of the following areas: (1) Drafting (Architectural and Computer Graphics); (2) Electricity-Electronics; (3) Graphic Arts; (4) Metals Technology; (5) Occupational Safety; (6) Plastics Technology; (7) Power Mechanics Technology (Automotive and Fluid Power); (8) Traffic Safety; and (9) Wood Technology (Construction). Those preparing to teach industrial vocational subjects or classes must meet requirements set forth by the Illinois State Board of Vocational Education and Rehabilitation. The departmental office has this information.

## COMPREHENSIVE MAJOR IN TECHNOLOGY OF INDUSTRY

- 55 hours required.
- Required courses: IT 171, 190, 191, 192; BUA 220; MAT 107 (1½ years of high school algebra or equivalent) and 108 (½ year of high school trigonometry or equivalent).
- Additional courses determined in consultation with an academic adviser designed to meet one of the following concentrations: Industrial Supervision and Management, Industrial Production, Occupational Safety, and Technical Sales and Service.

## COMPREHENSIVE MAJOR IN INDUSTRIAL EDUCATION

- 55 hours required.
- Required courses: IT 171, 190, 191, 192, 201 and 305 (or 389, Competencies for Teachers); MAT 107 (1½ years of high school algebra or equivalent) and 108 (½ year of high school trigonometry or equivalent); at least 8 hours in each of two of the areas of drafting, electricity, graphic arts, metals, plastics, power mechanics, woods; additional courses determined in consultation with an academic adviser designed to meet one of the following concentrations: Industrial Arts Education, Industrial Vocational Education, Industrial Technical Education.

## MAJOR IN TECHNOLOGY OF INDUSTRY Technology of Industry Sequence

- 37 hours required.
- Required courses: IT 171, 190, 191, 192; MAT 107 (1½ years of high school algebra or equivalent) and 108 (½ year of high school trigonometry or equivalent); additional courses determined in consultation with an academic adviser designed to meet one of the following concentrations: Industrial Supervision and Management, Industrial Production, Occupational Safety, Technical Sales and Service.

## Accident Prevention — Traffic Safety Sequence

- 37 hours required. A valid driver's license required.
- Required courses: IT 171, 172; at least 12 hours selected from among IT 163, 370, 371, 372, 375, 377, 378; electives in IT and/or related fields approved in consultation with a faculty adviser.

## MAJOR IN INDUSTRIAL EDUCATION Industrial Education Sequence

- 37 hours required.
- Required courses: IT 171, 190, 191, 192, 201, and 305 (or 398, Competencies for teachers); MAT 107 (1½





years of high school algebra or equivalent) and 108 ( $\frac{1}{2}$  year of high school trigonometry or equivalent); at least 8 hours in one of the areas of drafting, electricity, graphic arts, metals, plastics, power mechanics, woods.

- Additional courses determined in consultation with an academic adviser designed to meet one of the following concentrations: Industrial Arts Education, Industrial Vocational Education, Industrial Technical Education.

#### **Accident Prevention — Traffic Safety Education Sequence**

- 37 hours required. A valid driver's license required.
- Required courses: IT 171, 172, 273, 374, 379; at least 7 hours from among IT 371, 372, 375, 377, 378; electives in IT and/or related fields approved in consultation with a faculty adviser.

#### **MINOR IN TECHNOLOGY OF INDUSTRY**

##### **Technology of Industry Sequence**

- 24 hours required.
- Required courses: IT 171, 190, 191, 192; MAT 107 ( $\frac{1}{2}$  years of high school algebra or equivalent) and 108 ( $\frac{1}{2}$  year of high school trigonometry or equivalent).
- Additional courses determined in consultation with an academic adviser designed to meet one of the following concentrations: Industrial Supervision and Management, Industrial Production, Occupational Safety, Technical Sales and Service.

#### **Accident Prevention — Traffic Safety Sequence**

- 20 hours required. A valid driver's license required.
- Required courses: IT 171, 172; at least 9 hours from among IT 163, 371, 372, 375, 377; elective courses in IT and/or related fields approved in consultation with an academic adviser.

#### **MINOR IN INDUSTRIAL EDUCATION**

##### **Industrial Education Sequence**

- 24 hours required.
- Required courses: IT 171, 190, 191, 192, 200; MAT 107

( $\frac{1}{2}$  years of high school algebra or equivalent) and 108 ( $\frac{1}{2}$  year of high school trigonometry or equivalent); at least 8 hours in one of the areas of drafting, electricity, graphic arts, metals, plastics, power mechanics, woods.

#### **Accident Prevention — Traffic Safety Education Sequence**

- 20 hours required. A valid driver's license required.
- Required courses: IT 171, 172, 273, 374, 379; at least 4 hours from among IT 163, 371, 375, 377; electives in IT and/or related fields approved in consultation with a faculty adviser.

## **Instructional Media**

No major offered. Further Information: Department of Information Sciences. Teacher education minor only available.

#### **MINOR IN INSTRUCTIONAL MEDIA**

- 24 hours required.
- Required courses: INS 240, 241, 365, 366; 12 hours selected from among ART 101, 103, 104, 109, 226; INS 160, 162, 163, 310, 337, 362; IT 190, 210, 250, 251, 253. These courses cannot be used to satisfy the requirements of both the student's major and a minor in Instructional Technology.

## **Journalism**

No major available, except as an area of emphasis within the Mass Communication sequence of the Speech Communication major. Further Information: Department of Information Sciences.

#### **MINOR IN JOURNALISM EDUCATION**

- 24 hours required. Typing ability is a prerequisite to this minor.
- Required courses: INS 160, 165, 166, 265, 268, 269, 385; IT 153.

# Junior High School Education

Degrees Offered: B.A., B.S., B.S. in Ed. Further Information: Department of Curriculum and Instruction. Teacher education program only.

## MAJOR IN JUNIOR HIGH SCHOOL EDUCATION

- 28 hours in Professional Education required.
- Required courses: C&I 200 or 215 (2 hours), 210, 306, 231 or 228 or 235, 290, 399, (8 hours of Student Teaching); PSY 302; 2 hours of electives in C&I or PSY.
- In addition, 24 to 52 hours are required in an area of teaching specialization.

The major in Junior High School Education, a program of professional development for those who wish to teach at the junior high/middle school level of education, consists of three broad areas of preparation. These areas are field of study requirements, general education requirements for teacher certification, and professional education requirements. The student satisfactorily completing this program will meet the state requirements for elementary certification.

The Junior High School Education major should consult a Junior High adviser in the Department of Curriculum and Instruction for assistance in planning coursework to develop competency in one or two teaching areas of specialization for the contemporary Junior High/Middle school curriculum. The broad fields of Language Arts, Social Studies, Science, Mathematics, Physical Education, Home Economics, Industrial Arts, Art, Music, and Modern Language are typically considered as areas of specialization. This developmental program allows flexibility in selecting coursework consistent with state and regional as well as local school district standards for teaching at this level of education.

As the Junior High major completes his specialization requirement and his University Studies requirement, he should simultaneously meet the general education requirements listed in the catalog in the section on Teacher Education.

# Latin

No major offered. Further Information: Department of Foreign Languages. Separate liberal arts and teacher education programs.

## MINOR IN LATIN

- 25 hours in Latin required.
- Required courses: Latin 115, 116, 201, 202, 215, 226.

## MINOR IN LATIN EDUCATION

- 25 hours in Latin required.
- Required courses: Latin 115, 116, 201, 202, 204, 215.

# Latin American Studies

No major offered. Further Information: Dean of the College of Arts and Sciences. Identical liberal arts and teacher education program.

## MINOR IN LATIN AMERICAN STUDIES

- 24 hours in Latin American Studies courses required.

- Required courses: Two semesters of college Spanish or Portuguese, or the equivalent. Student completes, with the approval of an adviser designated by the Dean of Arts and Sciences, planned program of study in which courses are elected in at least three fields other than Spanish and Portuguese. Work in the fields may include appropriate courses in AGR, ART, BSC, ECO, FOR, GEO, HIS, POS, and SOA.

This program must be planned in consultation with an academic adviser. With the approval of the adviser, courses in fields other than those listed above may be counted toward the minor, providing those courses are considered relevant to the course of study. No more than two courses in the student's major field of study, however, will be applicable toward the minor in Latin American Studies. Students interested in this program should consult the Dean of the College of Arts and Sciences.

# Library Science

Degrees Offered: B.A., B.S., B.S. in Ed. Further Information: Department of Information Sciences. Separate liberal arts and teacher education programs.

## MAJOR IN LIBRARY SCIENCE

- 34 hours in Library Science and related fields required.
- Required courses: INS 101, 115, 120, 305, 306 or 307 or 308, 310, 312. The remaining courses may be chosen from within or outside the INS Library Science offerings, but in either case must be approved by the student's academic adviser.

## MAJOR IN LIBRARY SCIENCE EDUCATION

- 34 hours in Library Science required.
- Required courses: INS 101, 115, 120, 170 or 242 or 271 or 272, 240, 301, 305, 306 or 307, 310, 312, 365.

## MINOR IN LIBRARY SCIENCE

- 19 hours in Library Science required.
- Required courses: INS 101, 115, 305, 306 or 307 or 308, 310, 312. INS 120 is recommended for students preparing for graduate work in Library Science.

## MINOR IN LIBRARY SCIENCE EDUCATION

- 19 hours in Library Science required.
- Required courses: INS 115, 240, 305, 306 or 307, 310, 312.

# Mathematics

Degrees Offered: B.A., B.S. Further Information: Department of Mathematics. Identical liberal arts and teacher education programs, except that MAT 323 and its prerequisites are required in teacher education program.

The interest of undergraduates specializing in mathematics generally lies in one or more of the categories: (1) secondary teaching; (2) applications in business and industry; (3) applications to other disciplines, such as physics, chemistry, engineering, economics, social science; (4) continued study and research in mathematics.

The undergraduate degree programs in mathematics are designed to be sufficiently flexible to meet the needs of students in these categories, and are based upon the following groups of courses:

1. Basic sequence: Three courses — 135, 136, and 175 (or 115, 116, and 251).



2. Geometry and Foundations: 306, 312, 313, 323, 365, 375.
3. Algebra and Number Theory: 310, 315, 316, 317.
4. Analysis: 231, 335, 336, 340, 347, 348, 349.
5. Statistics: 350, 351.
6. Computer Science: 362, 366, 368, 369, 370, 372.

Students are encouraged to choose courses which are consistent with their interests. It is desirable that all students take at least one course in each of groups 2, 3, and 4. As a general guide to program selection, students with primary interest in teaching should emphasize groups 2 and 3; students with primary interest in application in business and industry should emphasize groups 5 and 6; and students with primary interest in application to the physical, natural and social sciences, should emphasize groups 3, 4, and 5. Students are urged to consult with their advisers in planning their programs.

#### MAJOR IN MATHEMATICS

- 32 hours in Mathematics required.
- Required courses: Group 1 basic sequence of three courses, either MAT 135, 136, and 175 or 115, 116, and 251 (majors who take 175 are also urged to take 231); at least four courses chosen from Groups 2 through 6 above; at least 15 of the 32 hours must be at the 200 level or above. See also notes below.

#### COMPREHENSIVE MATHEMATICS MAJOR

- 52 hours in Mathematics required.
- Required courses: Group 1 basic sequence of three courses, either MAT 135, 136, and 175 or 115, 116, and 251 (majors who take 175 are also urged to take 231); MAT 317; at least six courses chosen from Groups 2 through 6 above. As many as 10 hours chosen from courses outside MAT which require calculus as a prerequisite may be substituted for elective hours in MAT. See also notes below.

#### MINOR IN MATHEMATICS

- 24 hours in Mathematics required.
- Required courses: Group 1 basic sequence of three courses, either MAT 135, 136, and 175 or 115, 116, and 251; at least three courses chosen from Groups 2 through 6 above. See also notes below.

**Notes on Mathematics Programs:** Students who score high on the Mathematics Placement Test may, with the permission of the department chairperson, begin their MAT courses with 115, 136, or a higher level course. Credit will be given as equivalent to courses listed in this catalog. The department will determine the amount of credit given. The following courses may not be used to satisfy requirements for a comprehensive major, major, or minor: MAT 103, 104, 105, 106, 107, 108, 110, 120, 121, 151, 152, 201, 202, 204, 205, 250, 301, 302. Teacher educa-

tion students must complete 312, 315, and 323 as prerequisites to student teaching, and must take 312 and 315 before taking 323.

A concentration in Quantitative Economics is available to students under the Comprehensive Arts and Sciences major. Interested students may contact the Department Chairperson in either Mathematics or Economics.

## Medical Records Administration

Degree Offered: B.S. Further Information: Center for Allied Health Professions Non-teaching program only.

#### COMPREHENSIVE MEDICAL RECORDS ADMINISTRATION MAJOR

This program must be planned in consultation with the Director of the Medical Records Administration Program in the Center for Allied Health Professions. Program guidelines are established by the Education and Registration Committee of the American Medical Records Administration (AMRA) in collaboration with the Council on Medical Education of the American Medical Association. Graduates of the program are eligible and are expected to write the AMRA national registration examination.

- Required courses: AHP 100, 105, 200, 201, 202, 210, 211, 220, 230, 248, 300, 310, 348.
- Required preprofessional courses include BSC 121 or 190, and 160, 181, 182 and courses in chemistry, statistics, data processing, and business organization and management.
- Students must have a 45 word-per-minute proficiency in typing.

## Medical Technology

Degree Offered: B.S. Further Information: Center for Allied Health Professions. Non-teaching program only.

#### COMPREHENSIVE MEDICAL TECHNOLOGY MAJOR

- 45 hours of preprofessional courses as specified below plus 30 hours of clinical residency.
- Required preprofessional courses: BSC 190, 216, 260, 261, 283; CHE 140, 141, 215, 220, 242; MAT 120. Strongly recommended courses: BSC 319; PHY 105 or 108; AHP 160, 261.
- Required clinical residency: 30 hours of clinical residency in an AMA-ASCP approved hospital (School of Medical Technology) affiliated with Illinois State University, or other hospitals by special arrangements, for 12 months.

A student should plan the specific program of study in consultation with the Coordinator of the Medical Technology program in the Center for Allied Health Professions. Field trips to affiliate clinical laboratories are periodically scheduled during the year as part of the preprofessional program. Seminars and independent study are available for students desiring additional study. Students must apply for acceptance into a hospital for the clinical residency. The twelve-month residency involves work in several laboratory departments and technical instruction in hematology, clinical chemistry, bloodbanking, pathogenic microbiology and other aspects of laboratory medicine. Graduates of the program are eligible, and are expected to write the national registry examination. Those who pass the registry examination are entitled to use the designation MT (ASCP) after their names.



# Music

Degrees Offered: B.A., B.S., B.S. in Ed., B.M., B.M. Ed.  
Further Information: Department of Music. Separate liberal arts and teacher education programs.

## Departmental Requirements for Music Majors and Minors:

1. Before a student is admitted as a music major, he or she must audition in one or more performance areas. Students should check with the department for details.
2. Students electing music as a comprehensive major, major, or minor field are required to take a placement test before enrolling in courses in music theory and applied music. The results of these tests determine the courses in which the student should enroll.
3. Students pursuing a degree program with a music major are required to participate in a major music-performing organization for credit every semester they are enrolled in the University. B.M.E. majors are exempt from this requirement during the student teaching semester. A maximum of 12 hours in music performing organization credit is applicable to any degree.

## BACHELOR OF ARTS (B.A.) MUSIC MAJOR and BACHELOR OF SCIENCE (B.S.) MUSIC MAJOR (liberal arts, non-teaching program)

- 37 hours in Music required.
- Required courses: MUS 101, 102, 203, 204; at least 8 hours of applied music (may include Group Instruction Voice or Piano); elective courses in MUS to complete 37 hours.

**Music Therapy:** A music major who completes the requirements for the music major as outlined immediately above and other necessary requirements (which are available in the Department of Music) and who completes a required internship in addition to the requirements for graduation may be qualified for certification as a Registered Music Therapist by the National Association of Music Therapy. Interested students should consult the Department of Music for further information.

## MINOR (liberal arts, non-teaching program)

- 24 hours in Music required.
- Required courses: MUS 101, 102; at least 8 hours of applied music (may include Group Instruction Voice or Piano); at least 4 hours in performing organizations

or ensembles; elective courses in MUS to complete 24 hours.

## BACHELOR OF MUSIC EDUCATION (B.M.E.) COMPREHENSIVE MAJOR (teacher education program)

**Core Requirement and Sequences:** All students must complete the core requirement of MUS 101, 102, 203, and 204 and choose a concentration from one of the four sequences below. Depending upon the sequence chosen, the major will require from 57 to 61 hours. The Vocal Concentration and Keyboard Concentration involve preparation for a Choral General emphasis for K-12. The Band Concentration and Orchestra Concentration involve preparation for an Instrumental Emphasis for K-12.

### Vocal Concentration Sequence

- 57 hours in Music required.
- Required courses: MUS 101, 102, 203, 204; a minimum of 2 semesters of group or applied piano and 5 semesters of group or applied voice (group voice may be repeated only once for credit); MUS 127, 167, 262, 264, 268.

### Keyboard Concentration Sequence

- 59 hours in Music required.
- Required courses: MUS 101, 102, 203, 204; a minimum of 3 semesters of group or applied voice and 5 semesters of group or applied piano; MUS 140, 167, 262, 264, 268, 330 (piano).

### Band Concentration Sequence

- 61 hours in Music required.
- Required courses: MUS 101, 102, 111, 113, 115, 117, 161, 167, 203, 204, 261, 269.

### Orchestra Concentration Sequence

- 57 hours required.
- Required courses: MUS 101, 102, 111, 113, 115, 117, 167, 203, 204, 269, 330 (strings).

Students pursuing the B.M.E. degree are required to attain sufficient skill in playing the piano to pass a proficiency test prior to their student teaching and/or their senior year. A syllabus of proficiency requirements is available in the department office, or from the Group Piano Coordinator. The study of piano may be done in Group Instruction 122 or in applied piano. A maximum of 8 hours is allowed for taking piano in group instruction. Students pursuing the B.M.E. degree are required to study applied music on their major instrument every semester that they are enrolled in the program (this may include Group Instruction Voice or Piano). This must in-





clude the successful completion of at least one semester of a 200 level applied music course.

#### **MINOR IN MUSIC EDUCATION (teacher education program)**

— 24 to 27 hours in Music required, depending upon sequence selected (student selects one of the five sequences below).

##### **Choral Music Sequence**

— 25 hours in Music required.  
— Required courses: MUS 101, 102, 167, 264; at least 4 hours of applied music voice (may include Group Instruction Voice); at least 4 hours of applied music keyboard (may include Group Instruction Piano).

##### **General Music Sequence**

— 27 hours required.  
— Required courses: MUS 101, 102, 167, 262, 270; at least 4 hours of applied music keyboard (may include Group Instruction Piano); at least 4 hours of applied music voice (may include Group Instruction Voice).

##### **Instrumental Music-Winds Sequence**

— 26 hours required.  
— Required courses: MUS 101, 102, 111, 115, 117, 167, 261; at least 4 hours of applied music brass, percussion, or woodwinds.

##### **Instrumental Music-Strings Sequence**

— 27 hours required.  
— Required courses: MUS 101, 102, 111, 113, 115, 117, 167, 330 (appropriate string pedagogy and literature course); at least 4 hours of applied music strings.

##### **Applied Music Sequence**

— 24 hours required.  
— Required courses: MUS 101, 102, 167, 330 (appropriate pedagogy and literature course); at least 8 hours of applied music on the major instrument.

Students wishing to pursue the minor in applied music must audition; freshmen after one year in the University; sophomore transfer students, after one semester; junior and senior transfers, upon enrollment in the University.

#### **BACHELOR OF MUSIC (B.M.) MAJOR (professional, non-teaching degree)**

— 68 hours of Music required.  
— Required courses: MUS 101, 102, 167, 203, 204, and two courses selected from among MUS 255, 256, 257, and 258; one applied music course on the major instrument each semester (may include Group Instruction Voice or Piano), including the successful completion of at least one semester of 200 level applied music.

Student also selects one of the five sequences below and completes requirements of that sequence. For students who select sequences 3, 4, and 5, a senior recital is required and a partial recital in the junior year is recommended.

1. **Music Theory-Composition Sequence:** 23 additional hours in theory, composition, and theory pedagogy; electives to complete 68 hours.
2. **Music History-Literature Sequence:** 12 additional hours in theory; 12 additional hours in music history and problems in music history; electives to complete 68 hours.
3. **Keyboard Instrument Performance (Piano, Harpsichord) Sequence:** 2 hours in keyboard pedagogy and literature; 2 hours in accompanying; 9 additional hours in theory and music history; electives to complete 68 hours.
4. **Voice Performance Sequence:** 2 hours in vocal pedagogy and literature; 2 hours in choral conducting; electives to complete 68 hours.

5. **Band and Orchestra Instruments Performance Sequence:** 2 hours in pedagogy and literature on appropriate instrument; 2 hours in instrumental conducting; electives to complete 68 hours.

## Office Administration

Degree Offered: B.S. Further Information: Department of Business Education. No teacher education program; see Business Education for teaching programs.

#### **COMPREHENSIVE OFFICE ADMINISTRATION MAJOR**

— 55 hours required in Business (ACC, BUA, BED) or other areas specified below.  
— Required courses: ACC 131, 132, 260; BUA 100, 110, 111, 220, 230, 240, and BUA 221 or 323 or PSY 230; BED 111, 114, 115, 117, 124 (or ACC 361), 211, 215, 250, 270.

BUA 110 and 111 may be completed as University Studies. ECO 100 and 101 and MAT 110 or 120 must be completed as either University Studies or as electives beyond the 55 hours required above.

An unclassified student or Office Administration major may select courses which will prepare the student for office occupations. Specific information is available in the Department of Business Education. Unclassified students who are later admitted to a degree program may apply the courses listed above and taken while they were unclassified students toward graduation.

## Philosophy

Degrees Offered: B.A., B.S. Further Information: Department of Philosophy. Separate liberal arts and teacher education (minor only) programs.

#### **MAJOR IN PHILOSOPHY**

— 27 hours in Philosophy  
— Required PHI courses by area: Logic — 110 or 210; History of Philosophy — 254 and 255; Ethical Theory — 200 or 208 or 232; Metaphysics — Epistemology — 360 or 361 or 362; Philosophy Electives — at least two additional courses at the 200 or 300 level.

Each major works out a coherent program of supporting courses tailored to the student's needs in consultation with a faculty adviser.

#### **MINOR IN PHILOSOPHY**

— 18 hours in Philosophy required.  
— Required PHI courses by area: Logic — 110 or 210; History of Philosophy — 254 and 255; Philosophy Electives — at least 9 additional hours in PHI, but not more than two 100 level courses count for the minor.

#### **MINOR IN PHILOSOPHY EDUCATION**

— 21 hours in Philosophy required.  
— Required PHI courses by area: Logic — 110 or 210; Ethical Theory — 200 or 208 or 232; Metaphysics — Epistemology — 360 or 361 or 362; Philosophy Electives — at least one additional 200 or 300 level course.

**Notes on Philosophy Programs:** Students wishing to minor in Philosophy are requested to inform the department of their intention and are invited to discuss their program with an adviser in the Department of Philosophy. A reading knowledge of a foreign language may be helpful to students planning to do graduate study in philosophy or allied fields.

# Physical Sciences

Degrees Offered: B.S., B.S. in Ed. Further Information: Department of Physics. Separate liberal arts and teacher education (comprehensive major only) programs.

## COMPREHENSIVE PHYSICAL SCIENCES MAJOR

- 53 hours in Chemistry and Physics required.
- Required courses: a minimum of 18 hours in Chemistry, including CHE 140 and 141 (or 150), 215, 220; a minimum of 18 hours in Physics, including PHY 110 and 111 (or 108 and 109), 252, 270; additional hours must be from CHE or PHY courses at the 200 level or higher.

## COMPREHENSIVE PHYSICAL SCIENCES EDUCATION MAJOR

- 53 hours in Chemistry and Physics required.
- Required courses: a minimum of 18 hours in Chemistry, including CHE 140 and 141 (or 150), 215, 220; a minimum of 21 hours in Physics PHY 110 and 111 (or 108 and 109), 252, 270, 301 additional hours must be from CHE and PHY courses at the 200 level or higher, except that IT 242 or 244 may be taken for Physics credit.

## MINOR IN PHYSICAL SCIENCES

- 25 hours in Chemistry and Physics required.
- Required courses: CHE 140 and 141 (or 150), 220; PHY 110 and 111 (or 108 and 109), 252.

# Physics

Degrees Offered: B.S., B.S. in Ed. Further Information: Department of Physics. Separate liberal arts and teacher education programs.

The undergraduate program in physics at ISU is sufficiently flexible to meet the needs of students with any one or more of the following goals: (1) continued education in one of the allied fields such as astronomy, engineering, meteorology or oceanography, (2) secondary school teaching of physics or physical science, (3) industrial research and development, (4) liberal arts background for medicine, the allied health professions, patent law, technical sales, or industrial management, (5) continued study in physics at the graduate level, (6) becoming a scientifically educated person to live a more meaningful life in an increasingly technological society. Students are strongly encouraged to select those courses which are consistent with their goals and should consult with their academic advisers in planning an appropriate program.

## MAJOR IN PHYSICS

- 36 hours in Physics required.
- Required courses: PHY 110, 111, 220, 240, 252, 270 (2 hours), 340; two additional 300 level PHY courses; electives must be chosen from 200 level or above PHY courses; CHE 140 and 141 (or 150) also required for this major.

## MAJOR IN PHYSICS EDUCATION

- 36 hours in Physics required.
- Required courses: PHY 110, 111, 220, 240, 252, 270 (2 hours), 301; electives must be chosen from 200 level or above PHY courses, except that IT 242 or 244 may be taken for Physics credit; CHE 140 and 141 (or 150) also required for this major.

## MINOR IN PHYSICS

- 23 hours in Physics required.
- Required courses: PHY 110, 111, 252.

## MINOR IN PHYSICS EDUCATION

- 23 hours in Physics required.
- Required courses: PHY 110, 111, 252.

# Political Science

Degrees Offered: B.A., B.S. Further Information: Department of Political Science. Identical liberal arts and teacher education programs.

The study of political science can be applied to a number of career areas. Information concerning the various areas, such as law, governmental employment, international opportunities, and teaching, is available from the department's undergraduate adviser.

## MAJOR IN POLITICAL SCIENCE

- 30 hours in Political Science required and an additional 18 hours in related social science fields.
- Required courses: POS 105, 109; at least 3 hours in 4 of the 5 areas of (1) Political Philosophy, Theory, and Methodology, (2) American Politics, (3) Comparative Politics, (4) International Relations, and (5) Public Law and Public Administration; at least 18 hours selected from at least two of the areas of Economics, History, Philosophy, Psychology, and Sociology-Anthropology. POS 105 is required, but does not count toward the hours in area 2. POS 109 is required and counts toward the hours in area 1.

## MINOR IN POLITICAL SCIENCE

- 18 hours in Political Science required.
- Required courses: POS 105, 109.

# Psychology

Degrees Offered: B.A., B.S. Further Information: Department of Psychology. Separate liberal arts and teacher education programs.

All students seeking a major in Psychology are required to take Mathematics 110 or 120 depending on high school mathematics completed. Students who have the equivalent of either 110 or 120 or who earn sufficiently high scores on the Mathematics Placement Test are exempt from this requirement.

## MAJOR IN PSYCHOLOGY

- 27 hours in Psychology required.
- Required courses: PSY 111, 330, 331, 340.
- All majors, after consultation and agreement with their advisers, may select the balance of their program from among all other courses offered by the department, except that not more than 12 hours of 100 level PSY courses may count toward the major.

## MAJOR IN PSYCHOLOGY EDUCATION

- 32 hours in Psychology required; requirements are otherwise identical to major in Psychology.

## MINOR IN PSYCHOLOGY AND PSYCHOLOGY EDUCATION

- 21 hours in Psychology required.
- Required courses: PSY 111, 330, 340.



**Honors in Psychology:** The department offers honors work for superior students majoring in Psychology. In order to qualify the student must have achieved senior standing at the University, have achieved a university GPA of 3.00 or better and have a GPA of 3.50 or better in PSY course work. Finally, the student must complete a senior thesis (worth at least 3 semester hours credit and registered for PSY 299-Independent Honors Study) which satisfies the usual canons of scholarship. The student completing the program may choose to present the thesis at an Honors Colloquium.

## Recreation and Park Administration

Degree Offered: B.S. Further Information: Department of Health, Physical Education and Recreation. Non-teaching program.

### COMPREHENSIVE RECREATION AND PARK ADMINISTRATION MAJOR

- 50 hours required.
- Required courses: HPR 171, 173, 271, 370, 374, 389 (Recreation and Park Administration), 389 (Field Work in Recreation and Park Administration), 389 (Park and Land Management); ACC 131 or BUA 220; BSC 204.
- Elective courses to complete 50 hours in specific related areas as recommended by the Chairperson of the Department of Health, Physical Education and Recreation.

### MAJOR IN RECREATION AND PARK ADMINISTRATION

- 37 hours required.
- Required courses: HPR 171, 173, 271, 374, 389 (Recreation and Park Administration), 389 (Field Work in Recreation and Park Administration), 389 (Park and Land Management); ACC 131 or BUA 220.
- Elective courses to complete 37 hours in specific related areas as recommended by the Chairperson of the Department of Health, Physical Education and Recreation.

## Russian

Degree Offered: B.A. Further Information: Department of Foreign Languages. Separate liberal arts and teacher education programs.

### MAJOR IN RUSSIAN

- 33 hours in Russian required.
- Required courses: Russian 111, 112, 115, 116, 231.

### MAJOR IN RUSSIAN EDUCATION

- 37 hours in Russian required.
- Required courses: Russian 111, 112, 115, 116, 204, 231.

### MINOR IN RUSSIAN

- 25 hours in Russian required.
- Required courses: Russian 111, 112, 115, 116, 231.

### MINOR IN RUSSIAN EDUCATION

- 25 hours in Russian required.
- Required courses: Russian 111, 112, 115, 116, 204, 231.

## Social Sciences

Degrees Offered: B.A., B.S., B.S. in Ed. Further Information: Department of History. Identical liberal arts and teacher education programs.

### COMPREHENSIVE SOCIAL SCIENCES MAJOR

- 55 hours in Social Sciences (ECO, HIS, POS, and SOA courses).
- Required courses: at least 8 hours in Economics, including ECO 100 and 101; at least 16 hours in History with 8 each in United States and World History, including HIS 121, 123 or 124, 135, 136; at least 8 hours in Political Science, including POS 105; at least 8 hours in Sociology, including SOA 106.

Students who wish to pursue this major consult the adviser to Social Sciences students in the Department of History.

## Sociology

Degrees Offered: B.A., B.S., B.S. in Ed. Further Information: Department of Sociology-Anthropology. Identical liberal arts and teacher education programs.

### MAJOR IN SOCIOLOGY

- 30 hours in Sociology required and 18 hours in related fields.
- Required courses: SOA 106, 340, 370, 371, and electives to complete 30 hours of SOA courses; at least 18 additional hours in the social-behavioral sciences of Anthropology, History, Economics, Political Science, and Psychology, with at least 3 hours in Anthropology, Economics, and Psychology and not more than 6 hours in any one field counted toward the 18 hour requirement.

### MINOR IN SOCIOLOGY

- 18 hours in Sociology required.
- Required course: SOA 106.

### SOCIAL WORK PROGRAM

Students who follow this program must meet all requirements of their departmental major and the requirements specified below. Thus, a student wishing to graduate as a Psychology major with an emphasis in Social Work meets the requirements specified for the Psychology major and those for the Social Work program.

- Required courses: SOA 221, 222, 324 (recommended, but not required), 325, and 368.

Students should consult their assigned Social Work adviser for courses strongly recommended for professional Social Work practitioners. Upon successful completion of the Social Work Program, students will receive a statement to this effect on their academic transcripts to assist in professional job placement, admission to graduate schools of social work, and for membership in the National Association of Social Workers. Advanced standing in graduate schools is now possible for ISU graduates who complete this program. Students taking Social Work 368 (Field Work) must arrange their course and work schedule so as to meet all social welfare agency work requirements in the placement agency. Students will be advised of the field settings utilized and the types of learning experiences available in these settings. Consult a Social Work adviser in the Department of Sociology-Anthropology for further information concerning courses, practice opportunities, and careers in Social Work.



# Spanish

Degrees Offered: B.A., B.S. Further Information: Department of Foreign Languages. Separate liberal arts and teacher education programs.

## MAJOR IN SPANISH

- 33 hours in Spanish required.
- Required courses: Spanish 111, 112, 115, 116, 211, 216, 221, 222 or 242, 231. Spanish 203 does not count toward this major.

## MAJOR IN SPANISH EDUCATION

- 37 hours in Spanish required.
- Required courses: Spanish 111, 112, 115, 116, 204, 231.

## MINOR IN SPANISH

- 25 hours in Spanish required.
- Required courses: Spanish 111, 112, 115, 116, 211, 231. Spanish 203 does not count toward this minor.

## MINOR IN SPANISH EDUCATION

- 25 hours in Spanish required.
- Required courses: Spanish 111, 112, 115, 116, 204, 231.

# Special Education

Degrees Offered: B.A., B.S., B.S. in Ed. Further Information: Department of Special Education. Teacher education programs only available.

All students in Special Education complete the professional requirements as stated below and complete the program requirements on one of the six areas of specialization.

## PROFESSIONAL REQUIREMENTS

- 35 hours, including SED 145; C&I 210, 220, 270 or 280 or 290, 298 (298 not required in Deaf Education), 231 or 228 or 235; PSY 232, 334, 346; SED 399 (8 hours). Students in SED 399 (Student Teaching) receive various numbers of credit hours dependent upon the area of specialization in which they are enrolled, with more than 8 hours required in some areas of specialization.

## SPECIALIZATION IN DEAF AND HARD OF HEARING

- 49 hours required in addition to Professional Requirements.
- Required courses: ART 101, BSC 181, 182; ENG 170 or INS 306 or 307; ENG 241 or 243 or 341; SED 245, 353, 354, 355, 359; PAS 311, 350, 351, 372; additional 2 hours of SED 399 (Student Teaching) for total of 10 hours of 399.

## SPECIALIZATION IN MALADJUSTED

- 49 hours required in addition to Professional Requirements.
- Required courses: ART 101, 207; BSC 181, 182; ENG 170 or INS 306 or 307; at least 3 hours of GEO electives; HPR 222 or 223; at least 5 hours of MAT electives; MUS 371; PSY 131, 347; SOA 262, 263, 365; SED 357, 358; PAS 115.

## SPECIALIZATION IN MENTALLY RETARDED, EDUCABLE

- 44 hours required in addition to Professional Requirements.
- Required courses: ART 101, 207; BSC 181, 182; ENG 170 or INS 306 or 307; at least 3 hours of GEO electives; HPR 222 or 223; HEC 106; at least 5 hours of MAT electives; MUS 371; PSY 348; SED 301, 346; PAS 115.



## SPECIALIZATION IN MENTALLY RETARDED TRAINABLE

- 49 hours required in addition to Professional Requirements.
- Required courses: ART 101, 207; BSC 181, 182; ENG 170 or INS 306 or 307; at least 3 hours of GEO electives; HPR 222, or 223 or 382; HEC 106; at least 5 hours of MAT electives; MUS 371; PSY 347, 348; SOA 323; SED 301, 345; PAS 115.

## SPECIALIZATION IN PHYSICALLY HANDICAPPED

- 46 hours required in addition to Professional Requirements.
- Required courses: ART 101, 207; BSC 181, 182, 381, 385; ENG 170 or INS 306 or 307; at least 3 hours of GEO electives; HPR 222 or 223; HEC 106; at least 5 hours of MAT electives; MUS 371; SED 301, 349; PAS 115.

## SPECIALIZATION IN VISUALLY HANDICAPPED, BLIND AND PARTIALLY-SEEING

- 62 hours required in addition to Professional Requirements.
- Required courses: ART 101, 207; BSC 181, 182, 382; BED 112; ENG 170 or INS 306 or 307; at least 3 hours of GEO electives; HPR 222; HEC 106; at least 5 hours of MAT electives; MUS 371; SED 301, 350, 351, 352, 356, 360; PAS 115; additional 7 hours of SED 399 (Student Teaching) for a total of 15 hours of 399.



# Speech Communication

Degrees Offered: B.A., B.S., B.S. in Ed. Further Information: Department of Information Sciences. Separate liberal arts and teacher education programs.

## MAJOR IN SPEECH COMMUNICATION

### Speech Communication Sequence

- 24 hours required.
- Required course: SP 110.
- 21 hours of electives selected from among SP 125, 201, 223, 303, 304, 321, 323, 324, 370; PAS 311; THE 141, 341.

### Mass Communication Sequence

- 36 hours required.
- Required courses (21 hours): INS 160, 260, 360, 361. Either INS 162, 163, and 264 (Mass Communication) or INS 165, 166, and 265 (Journalism).
- Electives (15 hours) for emphasis in Mass Communication or Journalism selected from INS 161, 162, 163, 165, 166, 167, 263, 264, 265, 266, 267, 268, 269, 270, 287, 364, 368, 380, 385, SP 298.

## MAJOR IN SPEECH COMMUNICATION EDUCATION

### Speech Communication Sequence

- 36 hours required.
- Required courses (19 hours): SP 110, 125, 199, 223, 281, 324, 381.
- Elective courses (17 hours) selected from among SP 189, 201, 210, 289, 298, 302, 303, 304, 321, 323, 325, 328, 329, 370, 389, and INS 160, 360.

### Mass Communication Sequence

- 36 hours required.
- Required courses (21 hours): INS 160, 162, 163, 260, 360, 362, SP 281.
- Elective courses (15 hours) for emphasis in Mass Communication or Journalism selected from INS 161, 165, 166, 167, 263, 264, 265, 266, 267, 268, 269, 270, 287, 361, 364, 368, 380, 385, SP 298.

## MINOR IN SPEECH COMMUNICATION

### Speech Communication Sequence

- 18 hours required.
- Required course: SP 110.
- 15 hours of electives selected from among SP 125, 201, 223, 298, 303, 304, 321, 323, 324, 370, PAS 311, THE 141, 341.

### Mass Communication Sequence

- 18 hours required.
- Required course: INS 160.
- 15 hours of electives (advisement is recommended) selected from among INS 161, 162, 163, 165, 166, 167, 260, 263, 264, 265, 266, 267, 268, 269, 270, 287, 360, 361, 364, 368, 380, 385, SP 298.

## MINOR IN SPEECH COMMUNICATION EDUCATION

### Speech Communication Sequence

- 22 hours required.
- Required courses (16 hours): SP 110, 125, 199, 223, 281, 324.
- Electives (7 hours) selected from among SP 189, 201, 210, 289, 298, 303, 304, 321, 323, 325, 328, 329, 389, INS 260, 360.

### Mass Communication Sequence

- 21 hours required.
- Required courses (15 hours): INS 160, 162, 163, 362, SP 281.
- Elective courses (6 hours) selected from among INS 161, 165, 166, 167, 260, 263, 264, 265, 266, 267, 268, 269, 270, 287, 360, 361, 368, 385.

# Speech Pathology-Audiology

Degrees Offered: B.A., B.S., B.S. in Ed. Further Information: Department of Speech Pathology-Audiology. Teacher education program in Speech Pathology; non-teaching program in Audiology.

## COMPREHENSIVE SPEECH PATHOLOGY AND AUDIOLOGY MAJOR

### Speech Pathology Sequence (teacher education program)

- 33 hours in Speech Pathology-Audiology required.
- Required courses: PAS 114, 215, 311, 316, 318, 319, 320, 350, 351, 371, 372. In addition, the following Professional Education requirements: SED 145; C&I 210, 220, 231; PSY 232, 334, 346; PAS 399 (Student Teaching), 8 hours.

This is a preprofessional program designed to prepare students for graduate work in communicative disorders. Students must have a master's degree in this field to obtain both the Illinois Certificate in Speech and Language Impaired (formerly Special Education — Speech Correction) and the American Speech and Hearing Association's clinical certificate. Copies of requirements for both of these are available in the departmental office.

The Illinois Certificate in Speech and Language Impaired requires 300 hours of supervised clinical experience. Majors in this program are required to obtain 150 hours of that total by completing one semester hour of PAS 317 (Speech Pathology sequence) or 352 or 358 (Audiology sequence) and Student Teaching 399. The remaining 150 hours of supervised clinical experience are obtained in graduate school. A cumulative grade point average of 2.20 is required on all work completed at Illinois State University before admission to PAS 317, 352, 358 and Student Teaching 399. Admission to a master's program at Illinois State University requires at least a 2.60 grade point average in the last 60 hours of undergraduate work.

### Audiology Sequence (non-teaching program)

- 40 hours required.
- Required courses: PAS 215, 311, 317 (1 hour), 320, 350, 351, 352 (1 hour), 357, 358 (1 hour), 371, 372; SED 353; PSY 334, 346, 347 or 348.

The audiology sequence is designed to prepare the student for graduate work in audiology. This sequence is a non-teaching sequence and does not qualify the student for a teaching certificate. Upon completion of the master's degree, the student will have completed the academic and clinical requirements for the American Speech and Hearing Association's Certificate of Clinical Competence in Audiology.

## MINOR IN SPEECH PATHOLOGY AND AUDIOLOGY

- 21 hours required.
- Required courses: PAS 215, 311, 320, 350. Electives cannot include practicum courses.

Students taking this minor will not qualify in this area for Illinois or American Speech and Hearing Association certification.

# Theatre

Degrees Offered: B.A., B.S., B.S. in Ed. Further Information: Department of Theatre. Separate liberal arts and teacher education programs.

## COMPREHENSIVE THEATRE MAJOR

### Acting-Directing Sequence

- 55 hours in Theatre required.
- Required courses: THE 111, 125, 134, 135 or 335, 6 hours of 136/336, 141, 151, 225, 237 (6 hours), 251, 343, 344, 345, and THE electives to complete 55 hours.

### Theatre Production Sequence

- 55 hours in Theatre required.
- Required courses: THE 111, 125, 134, 151, 225, 237, 251, 266, 330, 331, 340, 343, 344, 345, and THE electives to complete 55 hours.

Theatre majors are expected to participate in at least one University Theatre production each semester. Credit in THE 150 or 350 may be earned for this participation. Students are expected to earn practicum in at least four different areas of theatre experience, such as costume, technical, management, acting, lighting, makeup.

## MAJOR IN THEATRE EDUCATION

- 36 hours in Theatre required.
  - Required courses: THE 111, 134, 141, 151, 237, 251, 301, 344, 345, and THE electives to complete 36 hours.
- Student participation as described under Comprehensive Theatre Major above apply to this program also. The department recommends that students who plan to teach in high school take SP 125 and 223 and INS 160 as part of their University Studies requirements.

## MINOR IN THEATRE

- 24 hours in Theatre required.
- Required courses: THE 111, 134, 141, 151, 237, 251, 3 hours from among THE 343, 344, and 345, and THE electives to complete 24 hours.

## MINOR IN THEATRE EDUCATION

- 24 hours in Theatre required.
  - Required courses: THE 111, 134, 141, 151, 237, 251, 301, and THE electives to complete 24 hours.
- The department recommends that students who plan to teach in high school take SP 125 and 223 and INS 160 as part of their University Studies requirements.





# Planning for New Undergraduate Programs

The University engages in a constant process of reviewing academic programs for the purposes of updating the curriculum and introducing new academic programs. New academic programs appearing in this catalog for the first time, for example, include the majors in Agribusiness, Anthropology, Environmental Health, and Office Administration. Examples of curriculum revision are the inclusion of the Community and Public Health option within the Biological Sciences major, redefinition of the Dance major to include both teaching and non-teaching programs, inclusion of a new Women's Studies program within the Ethnic and Cultural Studies minor, a redefined Health Education program available in the Department of Health, Physical Education and Recreation, and the availability of new non-teaching majors and minors in Home Economics. Undergraduate students may also be interested in knowing that Illinois State has recently secured approval for and is now offering MFA (Master of Fine Arts) degree programs in Art

and Theatre and DA (Doctor of Arts) programs in Economics, History, and Mathematics.

New programs must be approved by the Board of Regents and the Illinois Board of Higher Education before they can be made available to students. However, students may wish to know that the University is currently seeking approval for several new undergraduate programs, including an individualized "contract" major, an early childhood education major, and applied computer science program, a separate major in social work, a paralegal studies program, and separate degree majors in mass communication and information sciences. If approved, these academic programs will appear in future editions of the catalog as new undergraduate programs available to students at Illinois State. Students, however, are cautioned that they should not attempt to enroll in potential new programs until such time as they have been approved by the University, the Board of Regents, and the Illinois Board of Higher Education.

## Teacher Education Program Requirements

This section of the catalog provides information needed by students in teacher education programs only. Students seeking further information or clarification on information presented here should contact the Office of Clinical Experiences and Admission-Retention in Teacher Education located in DeGarmo Hall.

Each student who completes a bachelor's degree program in teacher education is eligible for one or more teaching certificates in the State of Illinois. When a student has completed all the requirements for a degree, the Office of Admissions and Records will issue a card of entitlement for an Illinois Teaching Certificate. Specific information concerning requirements for certification in Illinois may be obtained at the Office of Clinical Experiences and Admission-Retention in Teacher Education. General information may be obtained at the Placement Service or the offices of superintendents of educational service regions. The Dean of the College of Education serves as the certification officer for the University.

Students are advised that the teacher education certification requirements provided here are for Illinois and that they should consult certification requirements for other states if they desire to be certified for teaching elsewhere.

Students who complete a bachelor's degree program in teacher education at Illinois State University have their transcripts stamped, "Student has completed NCATE program in teacher education." (NCATE is the National Council for Accreditation of Teacher Education.) Students interested in completing a teacher education program at Illinois State must be admitted to a teacher education program, complete both professional and general education requirements appropriate to the

level of certification (high school, junior high school, elementary, or special education), and successfully complete student teaching.

## Admission-Retention Program

The following policies concerning admission-retention in teacher education programs apply to students who first enrolled as freshmen at Illinois State in September of 1970 or thereafter or as transfer students in June of 1971 or thereafter.

The Office of Clinical Experiences and Admission-Retention in Teacher Education administers the procedures for admission to programs of teacher education based upon the stated eligibility requirements. Additional requirements for admission to teacher education may be established by the department. A student should obtain information on these requirements from the department of the student's major field.

A student will not be assigned to student teaching unless formally admitted to teacher education programs and all stipulated prerequisites for student teaching are satisfied.

A student may elect a maximum of 9 semester hours of undergraduate study in education without formal admission to teacher education programs. Exceptions beyond this maximum are approved by the Office of Clinical Experiences and Admission-Retention in Teacher Education. General or exploratory study in education is encouraged, but students seeking to satisfy

teaching certification requirements should do so by formal admission to appropriate teacher education programs.

## Admission Program

Each student planning to enter a teacher education program must meet the eligibility standards and follow the procedures for admission to teacher education programs as follows:

### 1. Eligibility for Application

a. A student who wishes to enter a program of teacher education may request formal admission to that program after the completion of 45 hours, at least 12 of which must be earned at Illinois State University.

b. Freshman or sophomore students may pursue study as "Majors" in any area including elementary education or special education, but their formal admission to programs of teacher education must be consistent with the above regulation. Lower division undergraduate students who wish to take immediate advantage of teacher education scholarships must submit a declaration of intent for subsequent admission to teacher education programs.

c. A student seeking admission to a teacher education program must have a cumulative grade point average of 2.2 or higher for all undergraduate credit at the time of admission to the program.

d. A student seeking admission to a teacher education program must receive an eligibility recommendation from the Departments of English and Information Sciences.

(1) In order for a student to receive an eligibility recommendation in English, the student must have earned a C or higher in English 101. A student who receives credit by qualifying examination in English 101 will receive a recommendation. A student who takes English 101 on pass/fail will receive a recommendation if the actual grade turned in by the instructor is C or higher. A student who receives a D in English 101 must repeat the course and earn a higher grade in order to receive an eligibility recommendation.

(2) In order for a student to receive an eligibility recommendation in Information Sciences, the student must have earned a C or higher in Speech Communication 110 and must have cleared any identified speech disorder. A student who receives credit by proficiency examination in Speech Communication 110 will receive a recommendation. A student who takes Speech Communication 110 on pass/fail will receive a recommendation if the actual grade turned in by the instructor is a C or higher. A student who receives a D in Speech Communication 110 must repeat the course and earn a higher grade in order to be recommended for student teaching. Any student who presents transfer credit in meeting the speech requirement must secure a speech check from Information Sciences.

e. A transfer student may be admitted to a teacher education program only after completion of a minimum of 12 hours of credit at Illinois State University. A grade point average of 2.2 must be earned in this residence study.

### 2. Procedures for Admission

Application forms for admission to teacher education are obtained from the Office of Clinical Experiences and Admission-Retention in Teacher Education. Students must obtain and complete the forms and return them to the Office of Clinical Experiences and Admission-Retention in Teacher Education by established and publicized deadline dates. Among materials submitted and considered for admission are the following:

a. Recommendations: Recommendations are to be

obtained from the student's adviser and from a present or previous college instructor of the student.

b. Interviews: All students should be available for interviews upon request.

c. Entrance, Psychological, or Aptitude Exams: Students may be requested to take certain examinations for the purpose of assessing potentiality for teacher preparation and educational careers.

After application forms have been checked, students will receive formal notification as to their admission or non-acceptance into the program.

## Retention Program

In recognition of its responsibility to the schools in which its graduates teach, the University maintains a program of selective retention of candidates for the teaching profession. Thus, the University seeks to avoid recommending a candidate for a student teaching assignment or for certification unless that candidate has good character, sound mental and physical health, academic competence in his or her overall studies, teaching fields, and professional studies (see the requirements for student teaching).

## Professional Certification

In order to qualify for certification, each student in a teacher education program must complete: (1) a distribution of course work in general education (this may be and is usually done within the University Studies program), (2) courses in professional education appropriate to high school, junior high school, elementary, or special education, and (3) a teacher education approved major and minor field of study or a teacher education approved comprehensive major.

## High School

**1. General Education Requirements.** The following 42-hour general education requirement for high school teacher certification may be met within Illinois State's University Studies program so that, with appropriate course selections, a student meets both program requirements simultaneously:

8 hours of Language Arts.

6 hours of Science and/or Mathematics.

6 hours of Social Science, including a course in American History or Government.

6 hours in Humanities.

3 hours in Health and Physical Education from Health and Physical Education courses numbered 100-149, 163, 164, 173, 180, 181, 182, 261, 262, 340, 361, 362, 363 or Biological Sciences 145, 181, 182.

Additional hours in any above fields and/or Psychology (except Educational Psychology) to total 42 hours.

**2. Professional Education Requirements.** Each student preparing to teach at the high school level must complete one of the following two programs in professional education. The first program, recommended for all students, includes:

24 hours.

Required courses: Psychology 215; Curriculum and Instruction 200 (8 hours), 231 or 228 or 235; Clinical Experiences 399 (10 hours).

The second, an older program in which some courses are not currently offered at Illinois State, includes:

24 hours.

Required courses: Psychology 215; Curriculum and



Instruction 215, 216, 218, 231; Clinical Experiences 399 (10 hours).

**Experimental Urban Education Program.** The University presently offers a limited experimental program for high school teachers in the inner-city, which is designed to prepare teachers for urban secondary schools. Students interested in this program, which features community-based on-site course work and teaching experiences in inner-city schools, should consult the chairperson of the Department of Curriculum and Instruction. The program, which includes both on and off-campus work, includes:

29 hours.

Required courses: Psychology 215; Curriculum and Instruction 200 (4 hours), 228, 232, 312 (6 hours), Clinical Experiences 399 (10 hours).

**3. Field of Study Requirements.** The approved teacher education major and minor or comprehensive major may be selected from among the following programs which are described in detail in the undergraduate field of study section of the catalog:

Field of Study	Comp.		
	Major	Major	Minor
Agriculture		*	
Anthropology	*		*
Art		*	*
Biological Sciences	*	*	*
Business Education	*	*	*
Chemistry	*		*
Dance		*	*
Economics	*		*
English	*	*	*
French	*		*
Geography	*		*
Geology	*		*
German	*		*
Health and Physical Education	*	*	*
Health Education			*
History	*	*	*
Home Economics	*	*	*
Industrial Technology	*	*	*
Instructional Media			*
Journalism			*
Latin			*
Latin American Studies			*
Library Science	*		*
Mathematics	*	*	*
Music		*	*
Philosophy			*
Physical Sciences		*	
Physics	*		*
Political Science	*		*
Psychology	*		*
Russian	*		*
Social Sciences		*	
Sociology	*		*
Spanish	*		*
Special Education		*	
Speech Communication	*		*
Speech Pathology		*	
Theatre	*		*

## Junior High School

**1. General Education Requirements.** A student may meet the following general education requirements

and the University Studies requirement simultaneously. Courses beyond the 42 hours required for University Studies should be selected from among the courses approved for University Studies. The 48-hour general education requirement for the junior high school program includes:

9 hours of Language Arts.

7 hours of Humanities, including 1 hour of Art and 1 hour of Music.

12 hours of Social and Behavioral Sciences, including a course in American History or Government.

7 hours of Natural Sciences.

5 hours of Mathematics.

4 hours of Health and Physical Education (2 hours from BSC 145, 240, or 248, and 2 hours from HPR 180, 242, or 280).

4 hours of Applied Sciences, selected from HEC or IT courses.

**2. Professional Education and Field of Study Requirements.** Both of these requirements are described in the Junior High School Education field of study section of the catalog.

## Elementary School

**1. General Education Requirements.** The 78-hour general education requirement for an Elementary Education student includes:

8 hours of Language Arts.

6 hours in Science.

6 hours in Social Science, including a course in American History or Government.

6 hours in Humanities.

3 hours in Mathematics.

3 hours in HPR courses from Health and Physical Education courses numbered 100-149, 163, 164, 173, 180, 181, 182, 261, 262, 340, 361, 362, 363 or BSC 145, 181, 182.

All other requirements are automatically met within the Elementary Education major as described in the catalog. Students should plan a program of study which simultaneously meets the above requirements and Illinois State's University Studies (general education) requirement.

**2. Professional Education and Field of Study Requirements.** Both of these requirements are described in the Elementary Education field of study section of this catalog.

## Special Education

Special Education students complete the University Studies requirements; all other program requirements are described in the Special Education field of study section of this catalog. Beyond meeting the professional education requirements for teachers of special education, a student majors in one of six areas of specialization: Deaf and Hard of Hearing, Maladjusted, Mentally Retarded (Educable), Mentally Retarded (Trainable), Physically Handicapped, or Visually Handicapped (Blind and Partially-Seeing).

## Speech Pathology

The Illinois Certificate in Speech and Language Impaired requires a master's degree. Speech Pathology-Audiology majors must complete the University Studies requirements and the departmental and professional education requirements described under the Speech Pathology-Audiology major in the program section of this catalog.

# Clinical Experiences in Teacher Education

Observation, participation, studies of individual pupils and research, and student teaching are included in the program of clinical experiences. The experiences offered prior to student teaching are usually integral parts of specific college courses. Clinical experiences are provided in off-campus clinical teaching centers, in local schools and in campus laboratory schools. Clinical laboratory experiences following student teaching include activities in which the student does additional study or has additional experiences as recommended by his instructors, supervising teacher or college supervisor.

## Requirements for Student Teaching

The following requirements for student teaching apply to all students (1) whether the student teaching is done during the regular school year or during the summer session, and (2) whether the student teaching is done at a clinical center or in any of the teacher education programs at Illinois State University.

The minimum requirement in student teaching is 36 clock hours for each semester hour of credit (5 semester hours — 180 clock hours). More clock hours of clinical work are required in Speech Pathology-Audiology.

The number of semester hours of student teaching required varies with the student's curriculum. A student enrolled in an elementary, junior high school, special education or speech pathology curriculum is required to earn a minimum of 8 hours of credit in student teaching. A student enrolled in a high school curriculum is required to earn a minimum of 10 hours of credit in student teaching and special methods.

A student usually does all student teaching in his or her major field. A student must meet all eligibility requirements for student teaching in that major field. If a student does student teaching in his or her minor field, the student must meet certification requirements for teaching in that field. If a student does all student teaching in the major field or in both the major and minor fields, the total number of semester hours required in student teaching remains the same.

To be eligible to do student teaching, a student must meet all of the following requirements:

1. Be formally admitted to an approved teacher education program of the University at least one semester prior to enrollment in student teaching.
2. Have completed 15 semester hours of work in residence (or its equivalent) at Illinois State University.
3. Have earned at least 90 hours of college credit.
4. Have completed satisfactorily the courses which are prerequisites to Clinical Experiences 399 or Curriculum and Instruction 253.
5. Have earned at least a 2.2 grade point average at the time of application for student teaching and at the time of entry into student teaching in: (a) all work taken at Illinois State University, and (b) all work taken at Illinois State University in the major field.
6. Have secured a statement from the University Health Service indicating that he or she is physically capable of meeting the requirements of a regularly certified teacher.
7. Have filed an application for student teaching for a given semester or summer session with the Director of Clinical Experiences at least six months prior to the

semester in which student teaching is planned.

8. Have been approved for student teaching by the chairperson of the department of the student's major.

Students are expected to earn all of the student teaching credit required at Illinois State University. Exceptions to this policy may be made in individual cases if credit in student teaching has been earned in an institution of higher education accredited by the National Council for Accreditation of Teacher Education. Such arrangements must have the approval of the Director of Clinical Experiences.

## Assignment to Student Teaching

The University will assign student teachers to selected off-campus schools or to clinical centers in Illinois during regular semesters. Student teachers are assigned only to classrooms that have regularly employed full-time teachers. Assignments are not made to a school in which the student teacher is concurrently employed as a teacher. A student teacher may not earn academic credit and receive a salary or an income for the same teaching experience.

The usual patterns for student teaching are to assign a student to a school for a period of nine weeks or to a teacher education field center for eighteen weeks, during which time the student does full-time student teaching. During this period in the school, the student teacher works with one or more supervising teachers who are responsible for teaching a specific group or groups of pupils. These supervising teachers have primary responsibility for guiding and evaluating the work of the student teacher. During this experience, the student becomes a member of the school staff and of the community in which he or she is working (co-curricular activities and community affairs are a part of the student teaching experience).

The Director of Clinical Experiences, in cooperation with the head of the student's major department, makes the student teaching assignments. The Director of Clinical Experiences is responsible for making the arrangements and establishing the procedures involved in student teaching.

Although a student's preference for an assignment will be given consideration, the University makes the final decision regarding the school and the location. Generally, students are not assigned to schools which are in their home communities or in communities in which they are currently residing.

A student who is pregnant should consult the Director of Clinical Experiences regarding the student teaching assignment.

Students who have had teaching experience and who have shown a high standard of achievement in previous teaching may be given special student teaching assignments involving remedial instruction or other specialized phases of teaching which will broaden their preparation.

The Director of Clinical Experiences, upon the recommendation of the college supervisor or chairperson of the student's major department, may require a student to do additional work and continue student teaching until the student is sufficiently competent to be recommended for certification.

Student teaching assignments begin and end on the dates indicated in the student's official notice of assignment. Ordinarily, the student is expected to follow the school calendar of the school in which student teaching is done insofar as vacations and school holidays are concerned. Changes in dates involved in an assignment must receive the permission of the Director of Clinical Experiences.



# Preparation for Graduate and Professional Study

## Graduate Study at Illinois State

Students interested in graduate study at Illinois State University should consult the *Graduate Catalog* for admission requirements and programs available. Further information may also be obtained from department offices and the Graduate School office in Hovey Hall. Illinois State offers a comprehensive range of master's degree program and doctoral level programs in Art, Biological Sciences, Economics, Educational Administration, History, and Mathematics.

## Professional Study Preparation

Requirements for admission to professional study vary according to the profession as well as among the schools offering study for the professions. For this reason, a student planning to enter a professional school should seek specific admission information from the professional school he or she plans to attend. Preparation for admission to a professional school consists of: (1) a broad educational experience (a function of the University Studies program); (2) courses which meet the specific admission requirements of the professional school the student plans to attend; and (3) major and minor subjects which allow for in depth study in a field of interest and provide an alternative career direction if that becomes desirable.

## Health Professions

Preprofessional programs for health related professional colleges usually imply a major in one of the departments in the College of Arts and Sciences. Majors in Biological Sciences or Chemistry are usually elected because several specific preprofessional course requirements can be applied toward a major in these fields. However, a major in any one of a number of other departments in the College is appropriate for many

students who have a specific career goal in mind. Speech Pathology and Audiology, Mathematics, Psychology, Sociology, Physics, Economics, and Foreign Languages are several examples of academic areas which have application to specialties within the health professions.

Minimum admission requirements to Colleges of Medicine, Dentistry, and Veterinary Medicine are discussed below. Further information about admission procedures to these and other health related professional colleges can be obtained by contacting Dr. Kenneth Fitch in the Department of Biological Sciences.

### Medicine

Admission policies of individual medical colleges are set forth in "Medical School Admissions Requirements — United States and Canada." Orders for this book should be addressed to:

Association of American Medical Colleges  
One DuPont Circle, N.W.  
Washington, D. C. 20036  
Price: \$4.00 postpaid

Specific course requirements of medical schools in the State of Illinois can be met by taking the following courses:

Chemistry 140, 141, 230, 232, 233.  
Biological Sciences 190, 192.  
Physics 108, 109.  
Mathematics 135, 136.

Other specific course requirements are usually met by completion of the University Studies program. It should be understood, in addition, that a careful selection of University Studies and elective courses beyond the specific admission requirements, can make the applicant more competitive.

Although a few students are accepted for enrollment in medical college after completion of 90 semester hours, they are a distinct exception. Most students should anticipate the completion of the requirements for a bachelor's degree with the following approximate timetable:

1. Completion of specific course requirements by the end of the junior year.
2. Medical College Aptitude Test taken in May of the junior year.
3. Medical College application process begun in August preceeding senior year.





## Dentistry

Admission policies of individual dental schools are set forth in *Admission Requirements of U. S. and Canadian Dental Schools*. Orders for this book should be addressed to:

American Association of Dental Schools  
1675 Massachusetts Avenue, N.W.  
Washington, D. C. 20036  
Price: \$4.00 postpaid

With the completion of University Studies program, the following courses would meet the minimum specific course requirements for Illinois dental schools:

Chemistry 140, 141, 230, 232, 233.

Biological Sciences 190, 192.

Physics 108, 109.

Most students enter dental school after three or four years of preprofessional studies. The minimum requirement for admission to dental schools in the State of Illinois is two years of college even though most such applicants are unsuccessful. It is therefore advised that students anticipate at least a three year program with the following timetable:

1. Completion of specific course requirements by

the end of the sophomore year.

2. Dental Aptitude Test taken in January or April of the sophomore year or October of the junior year.
3. Dental college application process begun in the Fall of the junior year.

## Veterinary Medicine

Illinois residents find it exceedingly difficult to gain admission to colleges of veterinary medicine outside the state. Students should therefore direct their attentions largely to the admission policies of the University of Illinois College of Veterinary Medicine.

Specific course requirements are identical to those indicated for dentistry. Some two year students are accepted, but the majority of successful candidates have three or four years of preprofessional study. The student is therefore advised to plan his program for completion of the requirements for admission to veterinary college by the end of the sophomore year, and that a four year program leading to a bachelor's degree be anticipated in the event that early application to veterinary college is not successful.







## Engineering

Illinois State University offers the courses ordinarily required for the first two years of an engineering curriculum. Students enroll as majors in Physics while at Illinois State. The strong sequential nature of engineering curricula requires that appropriate course selections be made in the first two years if a sound program is to be developed. Students should contact Dr. Robert Young in the ISU Department of Physics for help in planning an appropriate plan of study and for more information concerning the preengineering program.

Illinois State University has an affiliation with the College of Engineering at the University of Illinois whereby students may earn a bachelor's degree from Illinois State University and a bachelor's degree in engineering from the University of Illinois at Urbana in a five-year program. Students generally spend the first three years at Illinois State University and the final two to two and one half years at the University of Illinois. Increasing numbers of engineering graduates enter leadership roles in industry and government and require a greater understanding of the impact of technology on society. The five-year program encourages a student to develop a broad understanding of the social sciences and humanities and excellence in technical studies. Students interested in this program are urged to contact Dr. Robert D. Young in the ISU Department of Physics or the Chairperson of the Department of Physics at ISU, as soon as possible in their undergraduate careers.

## Law

Most law schools do not require any particular undergraduate concentration. A committee of the Association of American Law Schools has recommended that the pre-law student keep in mind three basic objectives in planning an undergraduate program: education for articulate oral and written expression; education for greater understanding of human institutions and values; education to develop greater power in thinking. The committee emphasized the need for a broad, liberal education with development of the student's intellectual interests rather than one directed too pointedly for later professional training and practice.

Students planning to apply for admission to law school should plan to take the Law School Admission Test early, preferably in October, in their senior year. Students wishing further information concerning appropriate undergraduate programs and the Law School Admission Test may contact Dr. Thomas Eimermann or Dr. Hibbert Roberts, Chairperson of the Department of Political Science.

## Social Work

The profession of social work recognizes three academic levels of preparation for practice. The first level is that provided by Illinois State University's undergraduate Social Work Program, which is approved by the Council on Social Work Education, the national accrediting body for the profession. Students completing this Program will hold a baccalaureate degree qualifying them for the beginning level of professional practice upon graduation. A special notation on the student's transcript will attest to successful completion of the Program. The Program is described under the Sociology major in this catalog.

A secondary objective of the Illinois State University Social Work Program is to prepare students for advanced study at the second or graduate level of preparation. Graduates of this advanced Program receive a Master of Social Work (M.S.W.) degree which is considered the equivalent of a terminal degree in the profession. Students successfully completing the Illinois State University Social Work Program are eligible for "advanced standing" in many accredited graduate schools of social work, thereby being able to complete their graduate study in one year instead of the customary two.

For those students desiring eventually to teach, to conduct independent research, or to attain important administrative positions in the professional field, a growing number of graduate schools offer a third level of preparation, which is the Doctor of Social Work (D.S.W.) or Ph.D. in Social Work degree.

Students interested in graduate social work education, either immediately upon graduation from Illinois State University or after a period of professional practice, are urged to consult their social work advisor in the Department of Sociology-Anthropology.







# Undergraduate Courses

## Explanation of Course Listings, 66

Description of how to read the course catalog, including explanation of abbreviations used in course descriptions.

## Undergraduate Courses, 66

Listing of all undergraduate courses provided by the 28 academic departments of the University. In addition to the regular courses listed, students should consult the Class Schedule published prior to each semester for experimental course listings not in the Catalog as well as specific times and locations for each course.

## University Faculty, 131

Approximately 1200 individuals make up the faculty of Illinois State. The academic rank of each faculty member and the highest degree attained, together with the university which awarded the degree, are noted for each individual.

# Explanation of Course Listings

## Semester Plan

The University operates on the semester plan. The credit value of all courses is stated in terms of semester hours. Ordinarily, a semester hour is assigned for a 50-minute class meeting per week for the semester; therefore, a course valued at three semester hours generally meets three periods weekly. In laboratory courses, at least two 50-minute periods per week are ordinarily required for each semester hour of credit.

## Course Levels

Each course bears a distinguishing number for identification and indication of its academic level. The numbering system is as follows:

- 100-199 Lower division courses, primarily for freshmen and sophomores.
- 200-299 Upper division (senior college) courses for juniors and seniors. A student must have 60 semester hours to take courses at this level unless special permission is obtained from the student's academic adviser.
- 300-399 Advanced undergraduate and graduate courses. Courses at this level are open to juniors, seniors, and graduate students.
- 400-499 Graduate courses. None are listed herein; see the Graduate Catalog. Courses at this level are for graduate students. In exceptional instances, a senior may receive permission to enroll for undergraduate credit in a course at this level. Such permission is granted only upon the recommendation of the student's adviser with agreement of the chairperson of the department offering the course.
- 500-599 Courses limited to advanced graduate or doctoral students.

## Course Descriptions

Courses are listed by departments or fields of learning.

The following information is given for each course:

course number (3 or 5 digits preceding the title); course title; credit value in Semester hours; US-A, B, C, D, or E indicates the course is approved for use in meeting requirements in University Studies and the Group for which it qualifies; and F for Fall and S for Spring to indicate the semester for which a course is planned as an offering during the 1975-76 academic year.\* Following the above information, any prerequisites, restrictions on enrollment, and any special considerations are noted in italics. Example:

**101 MUSIC THEORY AND LITERATURE 6 US-A F**  
*Theory Placement Test or MUS 100 or cons Theory Coord.*

The course number, 101, indicates that the course is open to freshmen and sophomores. The digit 6, following the title indicates the credit value in semester hours. US-A denotes approval for credit in University Studies Group A requirements. F indicates that the course is to be offered during the Fall semester. The second line indicates the necessary background for enrolling in the course. In the example given, a student must have passed the music theory placement test or Music 100 or have consent of the coordinator of Music Theory courses prior to enrollment in 101.

Abbreviations commonly used in course information and special notations:

*May be repeated* indicates that a course may be taken for credit more than once if different content is planned; however, there may be a maximum amount of credit specified for the course.

*Variable credit courses.* If a course leads to differing numbers of hours, a student should plan with the adviser the number of hours to be sought.

*Conc reg req (or rec)* means that concurrent registration in two courses is required (or recommended).

*Cons inst* means consent of the instructor.

*Cons dept chprn* means consent of the chairperson of the department offering the course.

*Clsd maj min* indicates that the course is closed or not available for credit toward the major or minor in the program in which the course is offered.

\*The University may add or cancel scheduled offerings after publication of this catalog depending upon adequacy of enrollment and availability of faculty.

# Undergraduate Courses

## General Offerings

(With the exception of STUDENT TEACHING 399, these courses may be offered by any department in the University. Specific departmental offerings will be listed by topic or area in the CLASS SCHEDULE BOOKLET available each semester. STUDENT TEACHING for all areas available is listed separately in the CLASS SCHEDULE BOOKLET.)

**189, 289, 389 SELECTED STUDIES 1-6**

Course content not offered within the framework of ex-

isting departmental courses. The topic to be covered will be identified in the class schedule booklet each semester. Experimental courses and courses cutting across departmental lines may be offered as Selected Studies. Selected Studies courses designed for University Studies are identified in the printed class schedules as University Studies courses.

**193, 293, 393 WORKSHOP 1-6**

*Six hours of workshop credit is the maximum which may be applied toward graduation.*

Workshop opportunities are provided for the purpose of permitting students to work on special problems not



covered in any one course offered by the University. Topics for investigation by workshop participants are limited to areas in which the University is able to provide adequate workshop staff.

**287 INDEPENDENT STUDY 1-6**

*Max of six hrs may be applied toward graduation. Cons dept chrpn., permission of supervisor.*

Intensive work in a special area of the student's interest. Each individual project is to culminate in a comprehensive written report and/or examination. Open only to resident students who are not on scholastic probation and who have demonstrated ability to profit from independent study.

**291 SEMINAR: UNDERGRADUATE TEACHING ASSISTANTS 1-3**

*Official designation as an Undergraduate Teaching Assistant (UTA) by the Dean of Undergraduate Instruction. Departmental permission.*

Supervised examination of issues related to the Undergraduate Teaching Experience. Seminar requires time beyond the UTA work experience. Three hours maximum credit may be applied toward graduation.

**299 INDEPENDENT HONOR STUDY 1-6**

*Open only to resident students who have achieved superior academic records and who have demonstrated ability to profit from independent study. Maximum of six hrs of credit in independent honor study may be applied toward graduation. Cons inst, dept chrpn and dir of Honors.*

Intensive work in a special area of the student's major or minor. Each individual project is to culminate in a comprehensive written report and/or examination.

**397 INSTITUTE 1-9**

Federal and state-sponsored institutes or similar short-term programs requiring treatment of subject matter of a special nature or for special groups.

**399 STUDENT TEACHING 1-10 F, S**

*(or C&I 253 for elementary education majors)*

*Prerequisites for high school student teaching PSY 215 and C&I 216, or the completion of the required prerequisites in C&I 200; for junior high school student teaching, C&I 290; for student teaching in special education, one of C&I 270, 280, or 290; for student teaching in elementary education, one of C&I 270, 280, or 290, or satisfactory completion of C&I 252. Satisfactory preparation in the area of specialization. Approval of the Director of Clinical Experiences. Fifteen semester hours of work (or its equiv.) at Illinois State University. For further information and other regulations, see REQUIREMENTS FOR STUDENT TEACHING in the section on TEACHER EDUCATION.*

Directing the learning of pupils; participating in school and community activities; assuming full responsibility for a group of learners under the supervision of an expert teacher. Assignments are made on the basis of the student's area of specialization. High school student teaching assignments include work in special methods in the subjects taught. The student's transcript indicates the area in which student teaching was completed.

# Accounting

**Chairperson:** James A. Hallam, 435 Stevenson Hall.

**Programs:** Comprehensive major and minor in Accounting.

**Faculty:** Professors: Hallam, Secoy, Tussing. Associate Professor: Chapman. Assistant Professors: Behrens, Buehlmann, Currie, Engle, Fish, Holt, Hrudka, Krueger,

Rexroad, Sands, Sieg, Taylor, Toepke. Instructors: Anderson, Breitweiser, Conway, Hultgren, Manahan, McFarland, Oien, Rescho, Scott. Faculty Assistants: Hamilton, McKean, Rundall, Schmidgall, Thorson.

**131 ELEMENTARY ACCOUNTING I**

**3 US-E F, S**

**132 ELEMENTARY ACCOUNTING II**

**3 US-E F, S**  
*ACC 131.*

**160 COMPUTER PROGRAMMING FOR BUSINESS 3 F, S**

*High school algebra. Cld if had MAT 168.*

FORTTRAN and packaged programs for applications in business.

**230 MANAGERIAL ACCOUNTING 3 F, S**  
*ACC 132.*

Discussion of product costing, planning and controlling routine operations, and analysis of non-routine decisions.

**231 INTERMEDIATE ACCOUNTING 3 F, S**  
*ACC 132.*

Theory and procedures underlying income statement as report on operating performance and balance sheet as report on financial position.

**232 ADVANCED ACCOUNTING 3 F, S**  
*ACC 231.*

Examination of theory and problems involved in accounting for stockholders' equity, funds flow, and consignment and installment sales.

**260 BUSINESS DATA PROCESSING 3 F, S**  
*ACC 131.*

Data processing concepts and COBOL programming.

**330 FUND ACCOUNTING 3 F**  
*5 hrs. of ACC.*

Accounting applications to financial planning and control for non-profit institutions.

**332 ADVANCED MANAGERIAL ACCOUNTING 3 S**  
*ACC 230, 260, BUA 100, and MAT 121.*

Recent conceptual and analytical developments in the area of management accounting.

**333 INCOME TAX PROCEDURE 3 F, S**  
*ACC 131 or cons dept chrpn.*

Emphasis on individual. Introduction to corporation and partnership.

**334 ADVANCED TAX PROBLEMS 3 S**  
*ACC 333 or cons dept chrpn.*

Intensive examination of corporation, partnership, estate, trust, and gift tax problems.

**335 AUDITING 3 F, S**  
*12 hrs of ACC.*

The CPA profession; auditors' opinion; evidence; internal control; auditing standards, programs, procedures and ethics, statistical sampling; working papers.

**337 ADVANCED ACCOUNTING PROBLEMS 3 F, S**  
*ACC 232.*

Theory and problems involved in preparation and interpretation of consolidated statements; estates and trusts; and partnerships.

**361 BUSINESS SYSTEMS ANALYSIS FOR COMPUTER PROGRAMMING 3 F, S**  
*ACC 132 and either ACC 160 or 260.*

Introduction to systems analysis and design for business data processing.

**366 ADVANCED BUSINESS DATA PROCESSING 3 F, S**  
*ACC 260 or cons dept chrpn.*

Advanced applications using disk systems, tape systems and operating systems as applied to business problems using COBOL.

**367 COMPUTER APPLICATIONS FOR BUSINESS DECISION MAKING 3 F**  
*9 hrs of ACC, including 160 or 260; 12 hrs BUA including 100 and/or MAT 250 or cons of dept chrpn.*

Dynamic mathematical techniques using accounting data to solve business problems. Linear programming, queuing-line problems, structure of business games, models.

**375 PROFESSIONAL PROBLEMS 3 S**  
*24 hrs of ACC including ACC 337 or cons dept chrpn.*

An in-depth study of contemporary accounting problems with a strong orientation toward the preparation for the CPA examination.

# Agriculture

**Chairperson:** James L. McBee, Jr., 124 Turner Hall.

**Programs:** Comprehensive major in **Agribusiness**. Comprehensive major (with options in general agriculture, agricultural education, and agricultural science), major, and minor in **Agriculture**.

**Faculty:** Professors: Culver, Fuess, McBee, Moore, Woods. Associate Professors: Bristol, Chrudimsky, Forgey, Henry, Sagebiel, Thompson. Assistant Professors: Balbach, Sigler.

**Instructors:** Guthrie, Manahan. Adjunct Faculty: Butz, Turner.

In meeting program requirements in Agriculture, the student should note that the courses are considered in areas, as follows:

General courses: 100, 101, 302, 303.

Agricultural Economics: 110, 213, 214, 215, 216, 314, 316.

Agricultural Education: 295, 396.

Agricultural Mechanics: 130, 231, 232, 234, 235, 240, 345.

Agronomy: 150, 157, 250, 251, 252, 272, 352, 355, 356, 357, 360.

Animal Science: 170, 171, 272, 274, 276, 277, 278, 279, 280, 281, 282, 283, 285, 286, 288, 372, 373, 374, 375.

**100 AGRICULTURE OF DEVELOPING COUNTRIES 2 US-E F, S**

Creative approaches to understanding the role of agriculture in developing countries. Analysis of agricultural problems, policies and processes.

**101 MAN AND FOOD 3 US-E F, S**

Fundamental knowledge concerning the role of food in the life of man and its significance for the past, present and future.

**110 INTRODUCTORY AGRICULTURAL ECONOMICS 3 US-E F, S**

Fundamental principles of economics applied to agriculture, agriculture finance, prices, taxation, marketing, and land use.

**130 INTRODUCTION TO AGRICULTURAL MECHANICS 3 F, S**

*Lecture and laboratory.*

Place of mechanics in agriculture. Examples, problems, discussion and laboratory exercises in present and future mechanics applications.

**150 INTRODUCTION TO PLANT SCIENCE 4 US-E F, S**

Fundamentals of plant science; importance, classification, distribution and production practices of the major crops of the world.

**157 SOIL SCIENCE 4 F, S**

*Five hours of CHE. Lecture and laboratory.*

Origin and formation, physical and chemical properties, moisture relationships, liming and fertilizing soils. Chemical and physical tests of soils.

**170 INTRODUCTION TO ANIMAL SCIENCE 4 US-E F, S**

*Lecture and laboratory.*

Breeding, selection, genetics, nutrition, physiology and production of farm animals. Fundamentals of animal science.

**171 LIVESTOCK FEEDING PRINCIPLES 3 F, S**

Classes of feeds, nutrients, their functions in the animal body, choice of feedstuffs and balancing of rations.

**213 FARM MANAGEMENT 3 F, S**

Factors of production, such as equipment, labor distribution, cropping systems, and soils; organization and operation; types of farming.

**214 AGRICULTURE MARKETING 3 F, S**

Markets, price-making forces, reasons for existing practices, marketing services, cooperative marketing, and agriculture credit facilities.

**215 AGRIBUSINESS OPERATIONS 2 F, S**

Procedures and methods of profitable operations used by agricultural businesses; lectures and discussions pertaining to the "world of work" by successful agribusiness leaders.

**216 FARM ACCOUNTING 2 F, S**

Application of accounting principles and forms to the farm business; farm financial records and methods of determining production costs.

**231 AGRICULTURAL CONSTRUCTION AND MAINTENANCE 3 F, S**

*AGR 130, Lecture and laboratory.*

Selection, use and maintenance of hand and power tools and equipment for construction and maintenance in agriculture, shop organization; shop safety.

**232 AGRICULTURAL POWER UNITS AND MACHINERY 3 F, S**

*Lecture and laboratory.*

Principles of single and multiple cylinder engine operation. Selection, adjustment, operation and maintenance of field machinery.

**234 SOIL AND WATER CONSERVATION 3 F, S**

*Lecture and laboratory.*

Drainage, soil erosion control, water conservation on farms; planning, materials, construction, repair, and adaptation of structures to farm needs.

**235 FARM UTILITIES 3 F, S**

*Lecture and laboratory.*

Application of electricity for light, heat, and power; principles of operation, selection, installation of electrical equipment. Water supply, sewage systems.

**240 AGRICULTURAL POWER SYSTEMS 3 F, S**

*AGR 232. Lecture and laboratory.*

Selecting, analyzing, maintaining spark-ignition and diesel tractors. Principles of hydraulics, power transmission, and electrical regulation systems.



**250 GRAIN AND SOYBEAN PRODUCTION 3 F, S**

*AGR 150. Lecture and laboratory.*

Principles of planting, cultivating and harvesting grain and soybeans; control of diseases, insects, pests and weeds.

**251 FORAGE CROP PRODUCTION 3 F, S**

*AGR 150.*

Characteristics, utilization and production of principal forage plants. Recent literature in forage management reviewed.

**252 ORNAMENTAL HORTICULTURE 3 F, S**

*AGR 150 or BSC 121.*

Selecting, propagating and managing ornamental plants.

**272 AGRICULTURAL GENETICS 3 F, S**

*BSC 121 or 190, AGR 170 and 150, or cons inst. Lecture and laboratory.*

Heredity, variation and development of domesticated plants and animals. Mendelian genetics, mutations, linkage, quantitative inheritance and population genetics.

**274 DAIRY SCIENCE 4 F, S**

*AGR 171 or cons inst. Lecture and laboratory.*

The dairy industry, breeds, selection, judging, care and management of dairy cattle, quality milk production, milk products and milk testing.

**276 PORK PRODUCTION 3 F, S.**

*AGR 170, 171. Lecture and laboratory.*

Breeds, care and management of breeding herd; care and feeding of pigs, selecting swine for breeding and marketing.

**277 SHEEP PRODUCTION 3 F, S**

*AGR 170, 171. Lecture and laboratory.*

Breeding, feeding and management practices essential for economical production of the farm sheep flock.

**278 BEEF PRODUCTION 3 F, S**

*AGR 170, 171. Lecture and laboratory.*

Beef cattle industry, economics, care, management and production skills involved in cow-calf and finishing cattle operations.

**279 POULTRY PRODUCTION 3 F**

*AGR 170. Lecture and laboratory.*

Breeding, feeding and management practices essential for the poultry business.

**280 LIVESTOCK SELECTION 3 S**

*Laboratory.*

Fundamentals of livestock and dairy selection; relation to production, marketing and showing.

**281 DAIRY CATTLE SELECTION 2 F**

*AGR 280 or cons inst. Laboratory.*

Specialized training in evaluating dairy cattle. Comparative terminology, decision making and presentation of oral reasons. Field trips to dairy farms.

**282 LIVESTOCK HEALTH AND DISEASES 3 F, S**

*BSC 190, AGR 170 or cons inst.*

Animal physiology, anatomy, sanitation and diseases. Prevention and control of diseases of domesticated species of livestock.

**283 ARTIFICIAL INSEMINATION OF FARM ANIMALS 3 F, S**

*Lecture and laboratory.*

Principles of artificial insemination and factors affecting conception in natural and artificial breeding.

**285 MEAT SCIENCE 3 F, S**

*Lecture and laboratory.*

Comprehensive treatment of the meat industry and presentation of basic facts about one of our most important food products.

**286 BEHAVIOR OF DOMESTIC ANIMALS 3 US-E**

Behavioral patterns and systems, group formations, socialization, physical environment, genetic and physiological factors as they relate to domestic animals.

**288 ADVANCED LIVESTOCK SELECTION 3 F**

*AGR 280. Laboratory.*

Judging various species of livestock in relation to their functions in show ring and market.

**295 SUMMER EXPERIENCE IN AGRICULTURAL EDUCATION 3 Summer only**

*This course cannot be used as an elective in technical agriculture.*

Experience in summer duties with an agricultural occupations teacher in high school; planning and orienting the year's activities.

**302 SPECIAL PROBLEMS IN AGRICULTURE 1-3 F, S**

*Comprehensive maj, maj, or min in AGR, GPA 2.5. Cons inst. and dept chrpn. May be repeated. Max 6 hrs.*

Special work in research interests of student and staff. Projects must be approved by the staff member and the chairperson of the department.

**303 SEMINAR IN AGRICULTURE 1 F, S**

*Senior standing.*

**314 GRAIN MARKETING 2 F**

*AGR 214.*

Economics and marketing problems in grain industry. Special emphasis on futures marketing.

**316 LIVESTOCK MARKETING 2 S**

*AGR 214.*

Economic principles applied to marketing of livestock and livestock products. Consideration given to producers, processors, and distributors.

**345 AGRICULTURAL ACCIDENT PREVENTION 3 F, S**

*Also offered as IT 373.*

Major problems of accident causation and prevention applicable to agriculture and the need for farm safety education.

**352 TURF MANAGEMENT 3 S**

*AGR 150 and BSC 121.*

Principles and practices used in management of turf-grasses, residential and recreational turf.

**355 PLANT BREEDING 3 S**

*AGR 272.*

Breeding procedures and techniques used in developing new varieties of field crops.

**356 PLANT PROPAGATION 3 F, S**

*AGR 250, or BSC 121. Lecture and laboratory.*

Basic principles and commercial practices involved in sexual and asexual propagation of agricultural plants.

**357 SOIL FERTILITY AND FERTILIZERS 4 F, S**

*AGR 157. Lecture and laboratory.*

Fundamental concepts of soil fertility and fertilizer manufacturing. Plant nutrition, factors affecting plant

growth, soil-plant relationships, and macro- and micro-nutrients.

**360 CROP CONDITIONING AND STORAGE 3**

*AGR 250 and 5 hrs. CHE, or cons inst.*  
A comprehensive study of the chemical, physical and physiological aspects of crop conditioning and storage. Major emphasis will be placed on soybeans and grain crops but other agricultural crops and products will be considered.

**372 LIVESTOCK BREEDING 3 S**  
*AGR 272 or BSC 319.*

Reproduction and principles of heredity and their application to livestock breeding; population genetics, in-breeding, relationship, outbreeding and selection.

**373 REPRODUCTIVE PHYSIOLOGY AND MILK SECRETION 3 S**  
*AGR 170, 272.*

Reproduction in livestock, anatomy of the reproductive and hormonal systems, physiological and hormonal aspects of lactation.

**374 DAIRY CATTLE FEEDING AND MANAGEMENT 3 F**  
*AGR 274.*

Feeding and management of dairy cattle as they relate to an economic dairy farm operation.

**375 ANIMAL NUTRITION 3 S**  
*AGR 170, 171.*

Science of animal nutrition; special attention to recent discoveries pertaining to the protein, mineral and vitamin requirements of livestock.

**396 METHODS AND PROCEDURES IN AGRICULTURAL EDUCATION 5 F, S**  
*C&I 216.*

Procedures in planning, conducting, evaluating and teaching preparation necessary for a complete program in agricultural education.

# Allied Health Professions

**Director:** Charles T. Spencer, 103 Moulton Hall.  
**Programs:** Comprehensive major, major, and minor in **Environmental Health**. Comprehensive major in **Medical Records Administration**. Comprehensive major in **Medical Technology**.  
**Faculty:** Professor: Jacobson. Assistant Professors: Cortese, Kasa, Leisure, Spencer. Lecturers: Baily, Budig, Corsaut, Hage, Logue, Schmucker, Weisbecker. Adjunct Faculty: Folkens.

**100 INTRODUCTION TO THE HEALTH COMMUNITY 3 F, S**  
Health care facilities and their organizational patterns; the role of health related professionals.

**105 MEDICAL TERMINOLOGY 2 F, S**

**150 INTRODUCTION TO ENVIRONMENTAL HEALTH 3 F, S**  
*CHE 140-141, BSC 190 or equiv. Lectures, demonstrations and field trips.*

Application of technical and administrative procedures to the control of man's environment, including public and private water supplies and waste facilities, food and milk protection, housing, recreational facilities, and other environmental concerns.

**151 HYGIENE OF HOUSING AND RESIDENTIAL ENVIRONMENTS 2 F**  
*Lectures and field trips.*

Principles of healthful housing; standards, housing ordinances, appraisal methods, urban planning, conservation and rehabilitation of existing housing.

**160 INTRODUCTION TO MEDICAL TECHNOLOGY 1 F, S**  
*Enrollment in Med Tech prgrm or cons dir.*

Study of profession of Medical Technology emphasizing origin, goals, organizational structure, professional requirements, interrelationships with other professions, professional ethics, and considerations for future.

**200 HEALTH INFORMATION MANAGEMENT 3 F, S**  
*AHP 105 or cons dir.*

Guidelines for organization and management of medical transcription units.

**201 FUNDAMENTALS OF MEDICAL SCIENCE I 3 F**  
Relationship between human organism and disease processes, including treatment and management of patients.

**202 FUNDAMENTALS OF MEDICAL SCIENCE II 3 S**  
*AHP 201.*  
Continuation AHP 201.

**210 INTRODUCTION TO MEDICAL RECORDS ADMINISTRATION 3 F, S**

**211 NOSOLOGY AND HEALTH DATA MANAGEMENT 3 F, S**  
*AHP 105 or cons dir.*

Skills in the use of approved disease and operative classification systems.

**220 ORGANIZATION AND MANAGEMENT OF RECORD CENTERS 3 F, S**  
*BUA 220.*

Application of principles or organization and management to development and administration of medical record centers.

**230 LAW, HEALTH CARE, AND DOCUMENTATION 2 F, S**  
Federal, state, and local laws governing the preparation and use of medical records.

**248 DIRECTED PRACTICE 2 F, S**  
Student assignment to medical records centers for direct experience.

**253 INTRODUCTION TO OCCUPATIONAL HEALTH 3 F, S**  
*CHE 140-141, 220 or 230; BSC 190, PHY 105 or equiv. Lecture and laboratory.*

Study of health problems encountered in industry and various occupations, including adverse conditions of temperature, humidity, noise, radiation, chemical and physical irritants.

**254 CONTROL OF HOSPITAL AND INSTITUTIONAL ENVIRONMENT 3 F, S**  
*CHE 140-141, 220 or 230; BSC 190, 260; PHY 105 or equiv. Lecture and laboratory.*

Environmental health aspects of hospitals, nursing homes, penal institutions, schools, colleges and universities. Control of physical, chemical and microbiological hazards.



**261 INTRODUCTION TO THE MEDICAL LABORATORY 3 F, S**  
*CHE 215, BSC 260 and enrollment in Med Tech prgrm. Lecture and laboratory.*

Investigation of observable phenomena that provide basis for tests used as aids to diagnoses of disease processes. Uses, misuses and limitations of laboratory equipment are considered.

**300 MEDICAL INFORMATION SYSTEMS DESIGN 3 F, S**

Systems analysis; techniques, design of computer-compatible medical records.

**310 MEDICAL RECORDS ADMINISTRATION SEMINAR 2 F, S**

**348 CLINICAL PRACTICUM AND RESIDENCY 4 F, S**  
 Rotation and project assignments in medical record centers in Illinois area health facilities.

**351 ENVIRONMENTAL HEALTH SEMINAR 1 F, S**

*Cons dir. May be repeated once.*

Supplement to formal coursework dealing with contemporary topics in environmental pollution, occupational health and institution environmental quality administration. Content will vary at discretion of instructor.

## Anthropology

See Sociology-Anthropology

## Art

**Chairperson:** Frederick V. Mills, 119 Center for Visual Arts.

**Programs:** Major, comprehensive major, and major in Art. Comprehensive major and minor in Art Education.

**Faculty:** Professors: Barford, Freyberger, Gregor, Mills, Niemi. Associate Professors: Anderson, Boyd, Colvin, George, Hartley, Hentz, Hobbs, Holder, Moore, Myers, Rennels, Salome, Steinburg, Towner. Assistant Professors: S. F. Amster, S. H. Amster, Bock, Brower, Carswell, Ernest, Haid, Harris, Hill, Jackson, Knoblock, Kohn, Malone, Mascaro, Hobbs, Mawdsley, Natale, Newby, Potthoff, Stefl, Susman, Sweet, Tell, Tinsley, Toperzer, Wesle. Instructors: Baldoni, Walter. Lecturers: Bontemps, Marlow, Steiner. Faculty Assistant: Lovelace.

The Department of Art reserves the right to keep for demonstration and exhibition examples of work done by students for course requirements.

**100 INTRODUCTORY ART WORKSHOP 2 US-A F, S**  
*Materials charge.*

Drawing, painting, printmaking, sculpture, and crafts.

**101 ART ACTIVITIES FOR ELEMENTARY SCHOOLS 2 F, S**  
*Materials charge.*

**102 ART ACTIVITIES FOR ELEMENTARY SCHOOLS 3 F, S**  
*ART 101. Credit does not apply to Elementary Education Program II requirements. Materials charge.*

**103 VISUAL ELEMENTS 3 F, S**  
 Fundamentals of two-dimensional design.

**104 BASIC DRAWING 3 F, S**  
 Practice in drawing using a variety of materials.

**105 TEACHING ART IN THE JUNIOR HIGH SCHOOL 2**

**106 ART FOUNDATIONS 3**  
 Fundamental premises underlying art disciplines.

**108 STRUCTURAL DESIGN 3**  
 Principles applied to creating products for home or industry.

**109 BASIC MATERIALS 3 F, S**  
*Materials charge.*

Fundamentals of three-dimensional design.

**111 ART FUNDAMENTALS 3 F, S**  
*Primarily for students in HEC. Materials charge.*

**116 PUPPETRY 3 F, S**  
*Also offered as THE 116.*

**118 LANDSCAPE COMPOSITIONS AND SKETCHING 3 F, S**

**150 ART APPRECIATION 2 US-A**  
*Non-ART maj.*

Survey of art styles.

**155 SURVEY OF ART I 3 US-B F, S**  
 Arts from pre-historic times to end of Medieval period circa 1400.

**156 SURVEY OF ART II 3 US-B F, S**  
 Arts from the Renaissance to the first World War circa 1920.

**200 ART MATERIALS FOR ELEMENTARY SCHOOLS 3**

**201 CRAFTS FOR ART EDUCATION 3 F, S**  
*Maj min only; others by cons dept chrpn. Materials charge.*

**202 TEACHING ART IN THE ELEMENTARY SCHOOLS 2 F, S**  
*ART min; others by cons dept chrpn.*

**203 TEACHING ART IN THE SECONDARY SCHOOLS 2 F, S**  
*Min only; others by cons dept chrpn.*

**204 JUNIOR PARTICIPATION IN ART 1 F, S**  
*Conc reg req in ART 202 or 203.*

Observations and participation in teaching art.

**206 THE ART RESOURCE PERSON 1**  
*10 hrs in Art. Elem Educ maj only.*

**207 ART FOR SPECIAL EDUCATION 3 F, S**  
*Art 101. For SED students. Clsd if had ART 201. Formerly ART FOR EXCEPTIONAL CHILDREN. Materials charge.*

**211 ADVANCED CRAFTS 3**  
*Maj min only; others by cons dept chrpn.*

**213 LIFE DRAWING 3 F, S**  
*Formerly ART 113.*

Drawing from human figure, anatomy, and composition.

**214 LIFE COMPOSITION 3 F, S**  
*ART 213. Formerly ART 114.*

Further study of human figure, representation, and composition.

**224 JEWELRY I 3 F, S**  
*Formerly ART 124. Materials charge.*

Fundamental processes in crafting of precious and semi-precious metals.

- 225 JEWELRY II 3 F, S**  
*ART 224. Formerly ART 224. Materials charge.*  
 Advanced problems in jewelry.
- 226 VISUAL COMMUNICATIONS I 3 F, S**  
*ART 103 or cons inst. Formerly ART 126.*  
 Studio work in hand lettering, type usage, and layout procedures.
- 227 VISUAL COMMUNICATIONS II 3 F, S**  
*ART 126. Formerly ART 226.*  
 Studio work in graphic design for visual communications media.
- 228 CERAMICS I 3 F, S**  
*Formerly ART 127 POTTERY. Materials charge.*  
 Designing, making, glazing, and firing of pottery.
- 229 CERAMICS II 3 F, S**  
*ART 228. Formerly ART 227. Materials charge.*  
 Advanced problems in ceramic design.
- 230 CERAMIC TECHNOLOGY 3 F, S**  
*ART 228 or cons inst. Materials charge.*  
 A study of ceramic technology as it relates to the studio potter. Special attention will be given to glaze formulation, clay bodies, and kiln design.
- 232 SCULPTURE I 3 F, S**  
*Formerly ART 132. Materials charge.*  
 Experimentation with modern sculptural techniques.
- 233 SCULPTURE II 3 F, S**  
*ART 232. Formerly ART 232. Materials charge.*  
 Advanced sculpture in various media.
- 235 PHOTOGRAPHY AS AN ART FORM 3 F, S**  
*Materials charge.*  
 The study of photography as an art form.
- 240 WEAVING I 3 F, S**  
*Formerly ART 140. Materials charge.*  
 Introduction to various weaving techniques.
- 241 WEAVING II 3 F, S**  
*ART 240. Formerly ART 240. Materials charge.*  
 Advanced work in various weaving techniques.
- 245 PRINTMAKING I 3 F, S**  
*ART 104. Materials charge.*  
 Introduction to printmaking techniques.
- 250 THE ARTS AND MODERN MAN 2 US-A F, S**  
 Selected works from music, theatre and visual arts.
- 251 EXPERIMENTAL FILMMAKING 3 F, S**  
*ART 103 or equiv. Materials charge.*  
 The study of filmmaking as an art form.
- 255 GLASS I 3**  
*One ART course or cons inst. Materials charge.*  
 Basic techniques of glass blowing.
- 259 AESTHETIC EXPERIENCE 1 US-A F, S**  
*May be repeated. Max 3 hrs. Also offered as MUS 259 and THE 259.*  
 One hour of credit is available on a credit-no credit basis for attendance at 15 fine arts events. One class meeting per week is used to introduce future events and to analyze past events.
- 261 PAINTING I 3 F, S**  
*Formerly ART 161.*  
 Experimental work with variety of transparent and opaque painting media.
- 262 PAINTING II 3 F, S**  
*ART 261. Formerly ART 261.*  
 Problems of pictorialization and survey of contemporary trends in painting.
- 263 PAINTING III 3 F, S**  
*ART 261, 262. Formerly ART 262.*  
 Individual exploration of concepts from ART 261 and 262.
- 277 AFRO-AMERICAN ART — PRE-SLAVERY TO 1865 3 F, S**  
 Study of art forms, content, artistic technique and contributions of pre-slavery artists up to Afro-American artists of 1865.
- 278 BLACK AMERICAN ART — 1865 TO PRESENT 3 F, S**  
 Study of artistic technique lifestyles, political and social implications of black American artists from 1865 to present.
- 309 PROFESSIONAL ART EDUCATION CORE 3 F, S**  
*Clsd if had ART 202 and/or ART 203. For ART EDU maj; others by cons dept chrpn. Two consecutive semester sequence.*  
 Learning theory, studio skills and art teaching methodology.
- 321 PHILOSOPHY OF ART 3**
- 324 JEWELRY III 2-6 F, S**  
*ART 225. May be repeated. Formerly ADVANCED JEWELRY AND SILVERSMITHING.*
- 326 VISUAL COMMUNICATIONS III 3 F, S**  
*ART 226, 227.*  
 Advanced studio work in advertising and editorial layout.
- 328 CERAMICS III 2-6 F, S**  
*ART 229. May be repeated. Formerly ART 327. Materials charge.*
- 331 ADVANCED DRAWING 1-3 F, S**  
*ART 114. May be repeated.*
- 332 SCULPTURE III 2-6 F, S**  
*ART 233. May be repeated. Materials charge.*
- 340 WEAVING III 2-6 F, S**  
*ART 241. May be repeated. Materials charge.*
- 345 PRINTMAKING II 2-6 F, S**  
*ART 245. May be repeated. Formerly ADVANCED GRAPHICS. Materials charge.*
- 351 SPECIAL PROJECTS IN ART 2-6 F, S**  
*Cons inst. May be repeated. Materials charge.*
- 355 GLASS II 2-6 F, S**  
*ART 255. May be repeated. Materials charge.*  
 Advanced skills of creating hand blown glass.
- 361 PAINTING IV 2-6 F, S**  
*ART 263. May be repeated.*
- 366 ANCIENT ART 3**  
 Art and architecture of early civilizations of Egypt, Mesopotamia and peripheral areas from circa 8000 B.C. to circa 300 B.C.
- 367 CLASSICAL ART 3**  
 Art and architecture of the Aegean, Greek and Roman worlds from circa 3000 B.C. to the era of Constantine.
- 369 HISTORY OF MEDIEVAL ART AND ARCHITECTURE 3**  
 Art and architecture of Europe from circa 500 A.D. to the Renaissance.



**372 MODERN ARCHITECTURE 3***Formerly ART 483.*

Late 19th and 20th century architecture. Sullivan, Wright and the Chicago School. European movements involving Le Corbusier, Gropius, and Mies Van der Rohe. The great engineers, Maillart, Nervi, Fuller, Candela.

**373 PRE-COLUMBIAN ART  
INDIAN ARTS OF MIDDLE  
AMERICA 3**

Art of Mexico and Yucatan before the arrival of the Spanish.

**375 ITALIAN RENAISSANCE ART 3**

Painting, sculpture, and architecture of the 15th and 16th centuries in Italy.

**376 NORTHERN RENAISSANCE ART 3**

Art and architecture of the Renaissance and Mannerism in Northern Europe.

**377 HISTORY OF BAROQUE AND  
ROCOCO ART 3 US-B F, S**

Painting, sculpture, and architecture of Europe during the 17th century.

**378 HISTORY OF 19th CENTURY  
ART AND ARCHITECTURE 3 F, S**

Concentration is centered on the art of Europe from the French Revolution to the 20th century.

**379 MODERN ART 3 F, S**

Painting and sculpture in Europe and America from the late 19th century to 1970.

**380 ART IN THE UNITED STATES I:  
COLONIAL — 19th CENTURY  
ROMANTICISM 3**

American art from the Colonial Period through 19th Century Romanticism.

**381 ART IN THE UNITED STATES II:  
AMERICAN IMPRESSIONISM —  
WORLD WAR II 3**

American art from late 19th century Impressionism to the advent of World War II.

**382 ART IN THE UNITED STATES III:  
WORLD WAR II TO THE PRESENT 3**

Complex artistic developments which occurred in the United States from World War II to the present.

## Biological Sciences

**Chairperson:** Howard R. Hetzel, 206 Felmley Hall.

**Programs:** Identical liberal arts and teacher education major, comprehensive major, and minor in **Biological Sciences**. The major in Biological Sciences provides a liberal arts option in Community and Public Health.

**Faculty:** Professors: Birkenholz, Brockman, W. Brown, Dilks, Frehn, Hetzel, Liberta, Mentzer, Mockford, Rhymer, Rilett, Verner, Weigel, Willis. Associate Professors: L. Brown, Chasson, Chuang, Fitch, Huizinga, Jensen, Mizer, Moore, Nadakavukaren, Schwalm, Tone, Ward, D. F. Weber. Assistant Professors: Cadwell, Cole, Cralley, McCracken, Neville, Preston, D. H. Weber, Wilson. Instructors: McBride, B. Parker, Schlosser. Lecturer: Hung. Adjunct Faculty: Brawn, Miller, Reardon. Joint Appointments with Chemistry: Richardson, Tsang, Vandegrift.

**100 INTRODUCTION TO  
BIOLOGICAL SCIENCES 3 US-C F, S***Clsd maj min. Lecture and laboratory.*

Biological principles in relationship to man.

**102 SOUTHEASTERN FIELD  
STUDIES 2 US-E S***Lecture and laboratory. Course fee required.*

Collection and identification of plants and animals from coastal areas of Florida and the West Indies.

**121 GENERAL BOTANY 4 US-C F, S***Lecture and laboratory.***122 COMPARATIVE BOTANY 4 US-C F, S***BSC 121. Lecture and laboratory.*

Morphology and phylogeny and taxonomy of non-vascular plants.

**123 COMPARATIVE BOTANY 4 US-C F, S***BSC 121. Lecture and laboratory.*

Morphology and phylogeny of vascular plants.

**145 HYGIENE 2 US-E F, S**

Basic human physiology, nature of disease; principles and problems of personal health.

**160 INTRODUCTORY  
MICROBIOLOGY 4 US-C F, S**

*Clsd maj or if had BSC 260. Lecture and laboratory. Formerly Elementary Bacteriology.*

Introduction to microorganisms, their application and relationship to man and his environment.

**181 FUNCTIONAL ANATOMY 4 US-C F, S***Clsd maj min. Lecture and laboratory.*

Fundamentals of anatomy and physiology for students in special education, health education, nursing, and psychology.

**182 FUNCTIONAL ANATOMY 4 US-C F, S***BSC 181. Lecture and laboratory. Cont of 181.***190 GENERAL ZOOLOGY 4 US-C F, S***Lecture and laboratory.***191 INVERTEBRATE  
ZOOLOGY 4 US-C F***BSC 190. Lecture and laboratory.***192 COMPARATIVE VERTEBRATE  
ANATOMY 4 US-C F, S***BSC 190. Lecture and laboratory.***195 INTRODUCTION TO  
OCEANOGRAPHY 3 US-C S***Also offered as GEO 195.*

General principles of biology, chemistry, geology, and physics as applied to a study of the world's oceans.

**199 ANIMAL BEHAVIOR 3 US-E F, S**

An introduction to ethology — the biology of behavior. Behavior studied as performed in the natural habitat. Invertebrate and vertebrates, including man, will be considered.

**201 GENERAL ECOLOGY 4 F, S***BSC 121, 190. Lecture, laboratory, and field trips.***202 ECOLOGY OF MAN 3 US-E***Clsd maj min.*

A study of the general principles of ecology with emphasis on man's place in the ecosystem and a consideration of how environmental problems are related to fundamental ecological principles.

**203 NATURAL SCIENCE 3 F, S***Clsd maj min. Lecture, laboratory, and field trips.*

Insects, fishes, amphibians, and reptiles. For students in elementary education.

- 204 NATURAL SCIENCE 4 F, S**  
*Clsd maj min. Lecture and laboratory.*  
 The ecology of selected groups of lower plants, wildflowers, trees, birds, and mammals.
- 216 GENERAL PHYSIOLOGY 4 F, S**  
*BSC 121, 190 and Org Chem. Lecture and laboratory.*  
 Chemical and physical aspects of life processes.
- 217 PLANT PHYSIOLOGY 4 F, S**  
*BSC 216. Lecture and laboratory.*
- 240 MODERN HEALTH PROBLEMS AND PROCEDURES 3 S**  
 Study of recent developments in the field of health. Emphasis on communicable and noncommunicable diseases, human sexuality and reproduction, consumer health, drug use and abuse, and emotional health.
- 242 COMMUNITY PUBLIC HEALTH 2 S**  
 Introduction to the community and public health structure and function. An overview of available resources existing at the local, state and national levels in the area of health.
- 248 SCHOOL HEALTH 2 F**  
*BSC 145.*  
 An overview of health and safety. Focuses on the health and safety problems of school children, the teacher's role in the school health program, and methods and materials in teaching modern health and safety.
- 259 HEALTH CENTER 1-6**  
*BSC 242.*  
 Health legislation, services, and education programs.
- 260 MICROBIOLOGY 4 F, S**  
*BSC 121 or 190 and Org Chem. Clsd if had BSC 160. Lecture and laboratory.*
- 261 MICROBIAL PATHOGENS OF MAN 4 F, S**  
*BSC 260. Lecture and laboratory.*
- 283 ANIMAL PHYSIOLOGY 4 F, S**  
*BSC 216. Lecture and laboratory.*
- 294 ENTOMOLOGY 4 US-C F, S**  
*BSC 190. Lecture and laboratory.*  
 Emphasis on taxonomy.
- 300 READINGS IN BIOLOGICAL SCIENCES 1 F, S**
- 301 READINGS IN BIOLOGICAL SCIENCES 1 F, S**
- 302 HISTORY OF BIOLOGY 3 F**
- 303 NATURAL SCIENCE FOR ELEMENTARY TEACHERS 3 F, S**  
*Clsd maj min.*  
 Present day developments in science instruction.
- 304 SEMINAR IN BIOLOGY 1 F, S**
- 305 SPECIAL PROBLEMS IN BIOLOGY 1-3 F, S**  
*Projects must be approved by the supervising faculty member and dept chrpn prior to reg.*
- 306 REGIONAL AND AREA STUDIES 1-9 US-E**  
*Cons inst. Usually given cooperatively with other depts.*  
 Intensive study of particular lands, environments, cultures, and peoples.
- 318 LABORATORY TECHNIQUES 2 F, S**  
*Lecture and laboratory.*  
 Preparation of microscope slides, special techniques for whole mounts, plastic embedding, plastic injections, and nerve preparations.
- 319 GENETICS 4 F, S**  
*12 hours BSC lab course. Lecture and laboratory.*
- 320 PLANT PATHOLOGY 4 S**  
*BSC 121. Lecture and laboratory.*
- 331 TAXONOMY OF VASCULAR PLANTS 4 S**  
*BSC 121. Lecture and laboratory.*
- 332 TAXONOMY OF NON-VASCULAR PLANTS 4**  
*BSC 122. Lecture and laboratory.*
- 333 COMPARATIVE PLANT MORPHOLOGY 4 F**  
*BSC 123. Lecture and laboratory.*  
 Vascular plants.
- 334 INTRODUCTORY MYCOLOGY 3**  
*BSC 121. Lecture and laboratory.*
- 340 ADMINISTRATION OF SCHOOL HEALTH 3 F**  
 Development of school health programs including health services, healthful school living, health instruction, and coordination of the school-community health programs.
- 360 SANITATION 4 F**  
*BSC 260. Lecture and laboratory.*  
 Microbiology as applied to community water supplies, waste disposals, swimming pools, foods, and pollution.
- 365 PHYCOLOGY 4**  
*BSC 121. Lecture and laboratory.*
- 381 APPLIED HUMAN ANATOMY 4 F, S**  
*BSC 182 or HPR 182 or cons inst. Lecture and laboratory.*  
 Musculo-skeletal and nervous systems emphasized.
- 382 THE EYE — A LABORATORY AND CLINICAL STUDY 3 F, S**
- 383 PARASITOLOGY 4 F**  
*BSC 190. Lecture and laboratory.*
- 385 PHYSICAL DEFECTS — SURVEY AND REHABILITATION 3 F, S**  
*BSC 381. Also offered as HPR 385. Lecture and laboratory.*  
 Identification and treatment of physical defects of handicapped children; special services, equipment and procedures for school programs.
- 386 GROSS ANATOMY 4 F**  
*BSC 182 or 192 or HPR 182.*  
 Human body exclusive of head and neck.
- 387 GROSS ANATOMY 2 S**  
*BSC 182 or 192 or HPR 182.*  
 Human head and neck.
- 390 EVOLUTION 3 S**  
*BSC 319 or cons inst.*
- 391 ENTOMOLOGY 4 S**  
*BSC 190. Lecture and laboratory.*  
 Emphasis on morphology and embryology.
- 392 EMBRYOLOGY 4 F, S**  
*BSC 190. Lecture and laboratory.*



**394 PROTOZOLOGY 4**  
*BSC 190. Lecture and laboratory.*

**395 BIOLOGY OF THE LOWER VERTEBRATES 4**  
*BSC 190. Lecture and laboratory.*  
Fish, amphibians, and reptiles. **S**

**396 BIOLOGY OF THE HIGHER VERTEBRATES 4**  
*BSC 190. Lecture and laboratory.*  
Birds and mammals. **S**

## Business Administration

**Chairperson:** Ross H. Johnson, 439 Stevenson Hall.

**Programs:** Comprehensive major and minor in **Business Administration**. See also the program available in **Office Administration** in the Department of Business Education.

**Faculty:** Professor: Couch, Harrison, Mitchell. Associate Professors: Bomzer, Crepas, Ferrell, Ficek, Johnson, Kerber, Meador, Mohr, Potter, Shin, Winn. Assistant Professors: Abdel-Halim, Braddock, Brubeck, Cattell, Doyle, Grimm, Hackleman, Helmer, Kauffold, Kruse, Nowak, Robinson, Shlens, M. Smith, R. Smith, Stern, Summers. Instructors: Adams, Bayston, Bucher, Carlon, Coffey, Grogg, Henderson, Hicks, McIntire, Nelson, Ortinau, Snyder, Spears, States, Stubbs, Tait. Lecturers: Finegan, Williams.

**100 BUSINESS AND ECONOMIC STATISTICS 3**  
*MAT 110 or 120.* **F, S**

Application of statistical methods to business. Averages, dispersion, probability theory, frequency distributions, inference, hypothesis, regression, nonparametric tests.

**110 BUSINESS LAW 3 US-E** **F, S**  
*Soph. standing rec.*

Business law and the legal process. Contracts, agency, torts; institutional jurisprudential, and historical aspects of law and legal systems.

**111 BUSINESS LAW 3 US-E** **F, S**  
*BUA 110.*

Organizing, conducting, and terminating a business. Sales, commercial paper, corporations, partnerships, mortgages, property, bailments, carriers, trusts, and wills.

**217 ECONOMICS OF BUSINESS 3** **F, S**  
*ECO 101, ACC 131, BUA 100 for BUA maj sections.*  
*ECO 100 for non-maj sections. Formerly BUA 271.*

Adjusting economic theory to intelligent business administration. Profits and risk, demand and supply, business cycles, and public policy.

**220 BUSINESS ORGANIZATION AND MANAGEMENT 3** **F, S**  
*ECO 101 or BUA 217.*

Organization theories and the role of managers as leaders. Planning and control systems, decision-making, and human considerations.

**221 ORGANIZATIONAL BEHAVIOR AND ADMINISTRATION 3** **F, S**  
*BUA 220. Formerly BUA 321.*

Organization analysis focusing on motivation, perception, communication, coordination, and change. Administrative problems examined by theories of individual and group behavior.

**227 PRODUCTION MANAGEMENT 3** **F, S**  
*BUA 100, 220.*

Operations of production plants. Methods analysis and work measurement, inventory control, quality control, facilities layout, machines and maintenance.

**230 MARKETING 3** **F, S**  
*ECO 101 or BUA 217.*

Decision-making process applied to functions and agencies involved in marketing of industrial and consumer goods and services.

**232 ADVERTISING STRATEGY 3** **F, S**  
*BUA 230; clsd if had BUA 233.*

Application of communications theory to the process, strategy, and effects of advertising within framework of marketing management.

**233 ADVERTISING 2** **F, S**  
*For non-BUA maj only.*

Principles and applications of advertising from a management point of view. Practice in planning an advertising campaign using various media.

**234 SALESMANSHIP 2** **F, S**  
*For non-BUA maj only.*

Practical problems of distribution of goods and consumer demand. Fundamentals essential for effective selling. Some selling practice included.

**235 RETAIL MANAGEMENT 2** **F**  
*ECO 101 or BUA 217.*

Management, organization, operation of retail stores and service establishments. Emphasis upon the location problem, pricing, and merchandise inventory systems.

**236 SALES MANAGEMENT 3** **F, S**  
*BUA 230 rec.*

Application of functions of management to selling structure and sales problems of companies. Behavioral and quantitative disciplines used in case studies.

**240 BUSINESS FINANCE 3** **F, S**  
*ECO 101 or BUA 217.*

Principles and problems of planning and managing assets of business. Formulation, acquisition and utilization of funds and capital structure examination.

**241 FINANCIAL INSTITUTIONS 3** **F, S**  
Structure and functions, sources of funds, and investment policies of private and governmental financial institutions.

**285 PROBLEMS IN BUSINESS 3** **F, S**  
*BUA 100, 220, 230, 240, ACC 132. Senior status.*

Integration of the decision-making processes involved in each of the major functional areas of business.

**301 DECISION THEORY 3** **F, S**  
*BUA 100.*

Behavioral and quantitative factors in business decision-making. Emphasis on quantitative methods of making decisions under conditions of uncertainty.

**310 BUSINESS IN A LEGAL ENVIRONMENT 3** **F, S**  
*BUA 110 or cons inst.*

Economic, business, and social values or forces which cause law related to business activities to change and adapt.

**311 GOVERNMENT REGULATION OF BUSINESS 3** **F, S**  
*ECO 101 rec.*

Rules and regulation of mergers, monopolies, pricing, advertising, securities, food and drugs, unfair trade practices, utilities, and transportation.

- 320 BUSINESS MANAGEMENT — PRODUCTION 1**  
*BUA 100, cons dept chrpn, a 6-week course.*  
 Overview of production, including plant layout, product development, production planning and control, methods and standards, quality control, and materials management.
- 323 HUMAN RESOURCES MANAGEMENT 3** **F, S**  
*BUA 220.*  
 Principles and procedures relating to manpower management, including staffing, appraisal, training, compensation, and other programs for business and other organizations.
- 324 INDUSTRIAL RELATIONS MANAGEMENT 3** **F, S**  
*BUA 220 rec.*  
 Managing employment relations and work conditions. Emphasis on negotiating, administering labor agreements, and impact of collective bargaining on managerial practice.
- 327 OPERATIONS MANAGEMENT 3** **F, S**  
*BUA 227.*  
 Advanced consideration of decision-making tools applied to manufacturing and other operational areas. Case analysis place emphasis on production management problems.
- 329 PURCHASING POLICIES AND PROCEDURES 3** **S**  
 Purchase of materials, supplies, and equipment for industry, government, and other institutions. Organization for purchasing, internal requisitioning, and stock control.
- 330 BUSINESS MANAGEMENT — MARKETING 1** **F**  
*Cons dept chrpn; a 6-week course. Clsd if had BUA 230.*  
 Overview of major marketing areas using a systems framework. Internal and external environment, marketing plans including pricing and promotion.
- 331 CONSUMER BEHAVIOR 3** **F, S**  
*BUA 230.*  
 Determinants of consumer behavior. Influence of socio-psychological variables on the formation and change of attitudes, consumption, and purchasing behavior.
- 332 MARKETING RESEARCH 3** **F, S**  
*BUA 100, 230.*  
 Research design, specific marketing research procedures, and the research report.
- 336 INTERNATIONAL MARKETING 3** **S**  
*BUA 230.*  
 Managerial problems of world enterprise, with emphasis on the role of ethnic and cultural differences in influencing marketing strategy.
- 339 MARKETING MANAGEMENT 3** **F, S**  
*BUA 230; BUA 100 rec.; not for grad credit for BUA M.S. students.*  
 Development and evaluation of the marketing plan. Includes analysis of actual and hypothetical cases. A term project will be included.
- 340 BUSINESS MANAGEMENT — FINANCE 1** **F**  
*Cons dept chrpn; a 6-week course. Clsd if had BUA 240.*  
 Overview of major finance areas, including sources and utilization of funds, capital budgeting, cost of capital, investment evaluation and money markets.
- 341 CAPITAL INVESTMENT DECISIONS 3** **F**  
*BUA 100, 240.*  
 Theory of capital management, evaluation of risks, determination of capital structures, measure of costs and returns, and allocation of capital.
- 342 INVESTMENTS 3** **F, S**  
*BUA 240.*  
 Appraisal of securities and management of investment funds. Coverage includes governmental securities, industrials, utilities, and financial institutions.
- 343 SECURITY ANALYSIS AND PORTFOLIO MANAGEMENT 3** **F, S**  
*BUA 240, 342.*  
 Advanced evaluation of types of securities; determinants of their value; methods of combining securities in the construction of investment portfolios.
- 344 INTERNATIONAL FINANCE 3** **S**  
*BUA 240.*  
 International payments, structure and functions, international credit markets, investments, and institutions.
- 351 LIFE AND HEALTH INSURANCE 3** **F, S**  
*BUA 110 or cons inst.*  
 Personal and business risks. Principles of life and health insurance and their applications.
- 352 PROPERTY AND LIABILITY INSURANCE 3** **F, S**  
*BUA 110 or cons inst.*  
 Application to individuals, business enterprises, and governmental institutions. General consideration of risk in fire, marine, bond, and casualty areas.
- 354 RISK MANAGEMENT 3** **F, S**  
*BUA 352.*  
 Management's role in treating non-speculative risks to which business is exposed. Emphasis on recognition, evaluation, and treatment of risks.

## Business Education

**Chairperson:** Warren S. Perry, 437 Stevenson Hall.

**Programs:** Comprehensive major in **Business Education**, comprehensive major in **Distributive Education**, major in **Secretarial Education**, major in **General Business Education**, minor in **Business Education** for teacher education students. Non-teaching comprehensive major in **Office Administration**.

**Faculty:** Professors: Martin, Perry, J. H. Rich. Associate Professors: Hall, Kaisershot, Wray. Assistant Professors: Alexander, Benjamin, Bickley, Grever, Jones, Kurth, Palmer. Instructors: Eakins, Frison, Jackson, McHugh, J. S. Rich, Troman, Lecturer: Winchell.

**111 BUSINESS AND ITS ENVIRONMENT 3** **US-E** **F, S**  
 Influence of economic, social, and political pressures on business systems and operating procedures including markets, organization, management, and government regulation of business.

**112 TYPEWRITING 2** **US-E** **F, S**  
 Mastery of keyboard; building speed and accuracy; production of letters, tables, manuscripts, reports, and other office communication forms.

**113 OFFICE PRODUCTION TYPEWRITING 3** **F, S**  
*BED 112 or cons inst.*  
 Intensive building of speed and control with special



emphasis placed on job simulation in all aspects of typewritten office production work.

**114 PROBLEMS IN OFFICE PRODUCTION  
TYPEWRITING 3 F, S**  
*BED 113 or cons inst.*

Instruction in specialized typewriting problems to develop high-level competency. Instructional methods for prospective business teachers included.

**115 BUSINESS  
COMMUNICATIONS 3 US-A F, S**  
Analysis of communications practices in business. Skills will be improved through solution of practical business situations.

**117 BUSINESS MATHEMATICS 3 F, S**  
Quantitative techniques used in solving business problems including percent, interest, the mathematics of merchandising, linear programming, break-even analysis, and inventory control.

**122 PRINCIPLES OF  
SHORTHAND I 3 F, S**  
*BED 112 or cons inst. Shorthand laboratory work required.*

Gregg shorthand theory, dictation, and related knowledges.

**123 PRINCIPLES OF  
SHORTHAND II 3 F, S**  
*BED 122 or cons inst. Shorthand laboratory work required.*

Continued study of Gregg shorthand emphasizing vocabulary development, dictation, and transcription.

**124 ADVANCED SHORTHAND  
TRANSCRIPTION 3 F, S**  
*BED 123 or cons inst. Shorthand laboratory work required.*

Dictation and transcription; emphasis on vocabulary building, dictation, English studies, and mailable transcriptions. Instructional methods included.

**211 OFFICE SYSTEMS 3 F, S**  
*BED 113 or cons inst.*

Critical evaluation of machines, including the computer, and operating procedures used to process data in the office.

**215 REPORT WRITING FOR  
BUSINESS 2 F, S**  
Report writing techniques; use, form, and structure of different types of business reports.

**250 RECORDS MANAGEMENT 3 F, S**  
Organization and management of records system including use of microfilm and computerization of records.

**270 PRINCIPLES OF OFFICE  
ADMINISTRATION 3 F, S**  
Analysis of office functions and relationship to business organization; information handling and data processing; office design and layout; responsibilities of office administrators.

**320 PRACTICUM IN OFFICE PRACTICE  
INSTRUCTION 2-3**  
*BED 211.*

For business education teachers teaching office machines or teaching in office education programs.

**321 PRACTICUM IN DATA PROCESSING  
INSTRUCTION 2-3 F, S**  
*BED 211.*

Methods and procedures for teaching data processing courses.

**330 DECISION-MAKING FOR  
CONSUMERS 3 US-E F, S**  
*Also offered as HEC 330.*

Survey of consumer problems, trends, and information. Topics include: insurance, housing, credit, life-styles, consumer protection, leisure, and achieving financial security.

**361 PRINCIPLES OF BUSINESS  
EDUCATION 3 F, S**  
Historical background and current status of business education emphasizing professional responsibilities of teachers and principles of curriculum construction.

**380 ORGANIZATION AND ADMINISTRATION  
OF VOCATIONAL OFFICE AND  
DISTRIBUTIVE EDUCATION  
PROGRAMS 3 F, S**  
Planning and organizing a cooperative program; emphasis on recruitment, selection of training stations, student placement, and operation of cooperative plan.

**381 DIRECTED OCCUPATIONAL  
EXPERIENCES FOR OFFICE AND  
DISTRIBUTIVE EDUCATION 1-4**  
Designed to provide approved on-the-job experiences for credit toward the occupational experience required of office and distributive education coordinators and in-school instructors. Amount of credit to be earned will be determined by previous work experience.

**382 COORDINATION TECHNIQUES OF  
COOPERATIVE OFFICE AND  
DISTRIBUTIVE EDUCATION  
PROGRAMS 3 S**  
Coordination techniques needed for high school and post-secondary teacher coordinators in integrating classroom activities with daily employment.

**383 INDIVIDUALIZED INSTRUCTION  
TECHNIQUES IN VOCATIONAL OFFICE  
AND DISTRIBUTIVE EDUCATION 3**  
Individualized instructional methods for teaching high school cooperative classes in office and distributive education.

**390 IMPROVEMENT OF INSTRUCTION  
IN BOOKKEEPING AND  
ACCOUNTING 3 F, S**  
Methods of instruction, materials, organization, and presentation of subject matter utilized in teaching of bookkeeping and accounting.

**392 IMPROVEMENT OF INSTRUCTION IN  
BASIC BUSINESS AND CONSUMER  
EDUCATION 3 F, S**  
Methods of instruction, materials, organization, and presentation of subject matter utilized in teaching basic business and consumer education.

**394 IMPROVEMENT OF INSTRUCTION IN  
TYPEWRITING AND OFFICE  
PRACTICE 3 F, S**  
Instructional methods in teaching personal typewriting, vocational typewriting, and clerical office practice.

**396 IMPROVEMENT OF INSTRUCTION IN  
SHORTHAND AND SECRETARIAL  
PRACTICE 3 F, S**  
Instructional methods in teaching shorthand, transcription, and secretarial office practice.

# Chemistry

**Chairperson:** Michael Kurz, 305 Felmley Hall.

**Programs:** Identical liberal arts and teacher education major and minor in **Chemistry** with separate Bachelor of Arts and Bachelor of Science degree programs. Interdisciplinary program in Chemistry and Physics available in the **Physical Sciences** comprehensive major and minor.

**Faculty:** Professors: Duty, House, Ichniowski, Reiter, Ryder, Shulman. Associate Professors: Bunting, Cook, Hunt, Kurz, Richardson, Tsang. Assistant Professors: Clark, Hansen, Macesich, Paschal, Vandegrift, Waage. Faculty Assistant: Hedges.

## 102 SCIENCE AND MODERN MAN 3 US-C F, S

*Open only to students with no college credit in CHE.* Selected topics from chemistry and science in general and illustration of relevance of chemistry and other sciences to today's world.

## 104 ELEMENTS OF CHEMISTRY 4 US-C F, S

*Lecture and laboratory. Locker charge of \$2.* Survey of general chemistry, including organic and biochemistry. Designed for students in home economics, nursing and other health related fields.

## 110 FUNDAMENTALS OF CHEMISTRY 4 US-C F, S

*Clsd if had CHE 140, 141, or 150.* One-semester introductory survey of fundamental concepts, laws and theories of chemical science and their application to common chemical systems.

## 112 FUNDAMENTAL CHEMISTRY LABORATORY 1 US-C F, S

*CHE 110 or conc reg. Locker charge of \$2.* Experience in manipulation of fundamental laboratory apparatus and means of carrying out chemical synthesis and measurements on chemical systems.

## 114 FUNDAMENTALS OF CHEMISTRY (SUPPLEMENTARY) 2 US-C F, S

*CHE 110. Designed to bring the background of the student up through the level of CHE 140.*

## 140 GENERAL CHEMISTRY I 5 US-C F, S

*First half of a two-semester sequence. Designed primarily for students with HS credit in CHE and algebra. Clsd if had CHE 114.*

Fundamental principles of stoichiometry, periodicity, atomic structure, and thermochemistry with applications to gases, liquids, solids and solutions.

## 141 GENERAL CHEMISTRY II 5 US-C F, S

*CHE 114 or 140. Lecture and laboratory. Locker charge of \$2.*

Continuation of CHE 140. Introduction to equilibrium, electrochemistry, acid-base theory, coordination compounds, inorganic and organic chemistry.

## 150 GENERAL CHEMISTRY 6 US-C F

*Cons dept chrpn. Lecture and laboratory. Satisfactory completion of 150 replaces the 140-141 requirement. Admission is by invitation based on the results of placement tests and other evaluation techniques. Locker charge of \$2.*

Accelerated study of the fundamentals of chemistry, designed for the student who demonstrates exceptional ability at the pre-college level.

## 215 FUNDAMENTALS OF ANALYTICAL CHEMISTRY 3 F, S

*CHE 141 or 150. Lecture and laboratory. Locker charge of \$2.*

Theory and practice of selected modern analytical methods.

## 220 ELEMENTARY ORGANIC CHEMISTRY 5 US-C F, S

*CHE 112 or 141. Clsd if had CHE 230. For non-majors. Lecture and laboratory. Locker charge of \$2.*

One-semester survey of organic chemistry. Fundamental principles of structure and mechanisms of organic reactions.

## 230 ORGANIC CHEMISTRY I 4 F, S

*First half of a two-semester sequence. CHE 141 or 150. Clsd if had CHE 220. Lecture and laboratory. Locker charge of \$2.*

Introduction to chemistry of aliphatic and aromatic organic compounds together with laboratory practice illustrating preparations and reactions typical of functional groups.

## 232 ORGANIC CHEMISTRY II 3 F, S

*CHE 230 or cons dept chrpn.* Continuation of CHE 230, including synthetic and mechanistic features of organic reactions.

## 233 ORGANIC CHEMISTRY LABORATORY II 2 F, S

*CHE 232, conc reg or cons dept chrpn. Locker charge of \$2.*

Laboratory practice in newer techniques and methods of organic chemistry.

## 242 BASIC BIOCHEMISTRY 3 F

*One sem of organic chemistry. Clsd if had CHE 342.* Introduction to the chemistry of carbohydrates, lipids, proteins, nucleic acids and enzymes. Brief treatment on vitamins and intermediary metabolism.

## 243 BASIC BIOCHEMISTRY LABORATORY 2 F

*CHE 242 or conc reg. Lecture and laboratory. Locker charge of \$2.*

Introduction to practical biochemical techniques and procedures used in the analysis of biological compounds. Laboratory designed for students in allied health, biology, agriculture, home economics, and nursing and is a supplement to CHE 242.

## 280 ENVIRONMENTAL CHEMISTRY 3 F

*CHE 141 or 150 and any 200 level chemistry course or cons inst.*

Aquatic, soil, and atmospheric chemistry and the attendant problems of water, soil, and air pollution. Causes of pollutants and methods of analyzing for them.

## 290 RESEARCH IN CHEMISTRY 1-4 F, S

*19 hours of CHE; cons dept chrpn. Only three hrs are applicable towards the maj. May be repeated. Max 6 hrs.*

Development of a better understanding of the significance of research in chemistry through the study of a research problem.

## 301 TEACHING OF HIGH SCHOOL CHEMISTRY 3 S

*20 hrs of CHE. For teaching maj only.*

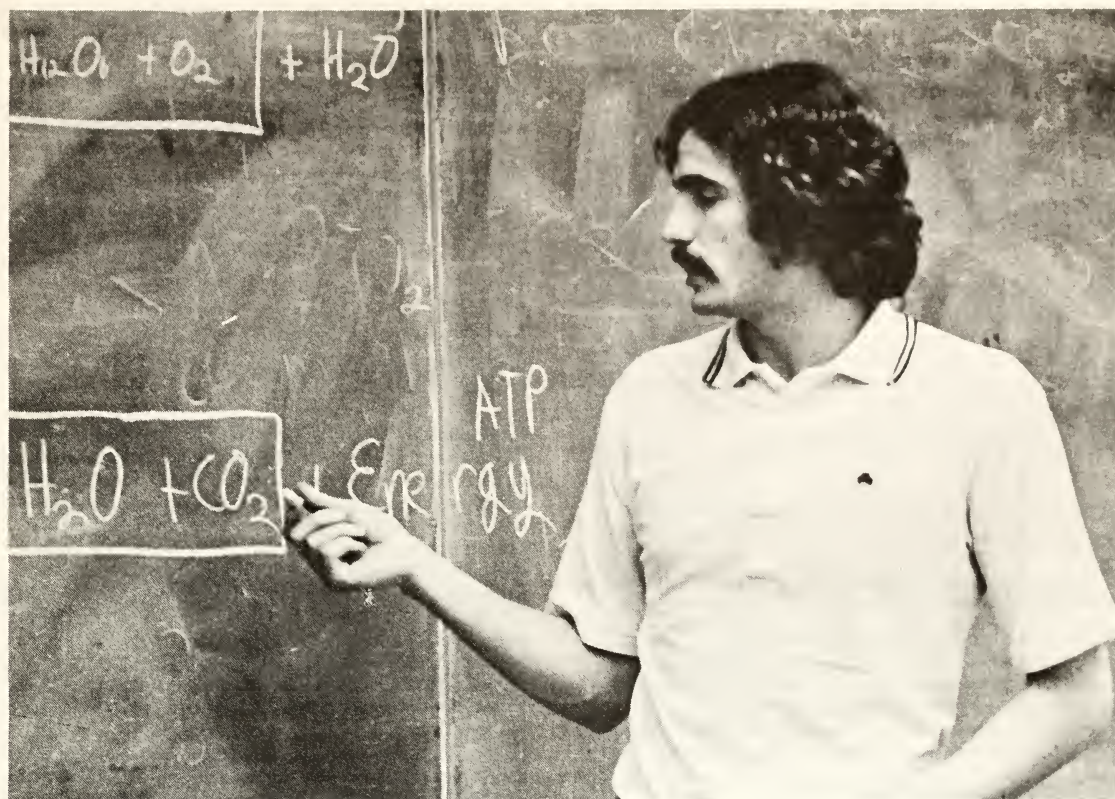
Modern methods and problems confronting teachers of Chemistry. Involves study of CBA, CHEMS, and regular high school Chemistry.

## 302 INDUSTRIAL CHEMISTRY 3

*22 hrs. of CHE. Includes trips to industries and research labs.*

Scientific aspects of community and industrial problems.





**308 CHEMICAL LITERATURE 1 S**

20 hrs of CHE.

Chemical literature in journals, handbooks, abstracts, monographs, and patents. Problems requiring literature searches in all fields of Chemistry.

**311 LABORATORY INSTRUMENTATION 3**

10 hrs of CHE. Clsd maj — see CHE 315. Lecture and laboratory. Locker charge of \$2.

Instruments used in chemical analysis. Applications to qualitative and quantitative analyses.

**315 ANALYTICAL CHEMISTRY 3 F, S**

CHE 362 or conc reg or cons inst. Lecture and laboratory. Locker charge of \$2.

Emphasis on modern instrumental methods of chemical analysis including electroanalytical, optical and chromatographic methods.

**323 QUALITATIVE ORGANIC ANALYSIS 3**

CHE 233. Lecture and laboratory. Locker charge of \$2.

Identification of organic compounds with emphasis on modern spectrometric methods.

**325 MODERN METHODS AND TECHNIQUES IN ORGANIC CHEMISTRY 2 or 3**

CHE 233 or cons dept chrpn. Locker charge of \$2.

Modern laboratory techniques associated with synthesis, quantitative analyses, distillations and chromatography. Organic literature searches will be stressed.

**342 GENERAL BIOCHEMISTRY I 3 F, S**

CHE 232 or one year of organic chemistry. Clsd if had CHE 242.

Survey of the chemical and physical properties of amino acids, carbohydrates, lipids and nucleic acids, and structure and function of proteins, including enzyme kinetics.

**343 BIOCHEMISTRY LABORATORY 3 S**

CHE 342 or conc reg or CHE 242 and cons inst. Lecture and laboratory. Locker charge of \$2.

Application of biochemical principles and methods discussed in companion course, CHE 342.

**344 GENERAL BIOCHEMISTRY II 3 F, S**

CHE 342 or CHE 242 and cons inst.

A survey of important aspects of intermediary metabolism, metabolic regulation, membrane transport and bioenergetics. Topics will include hormonal controls and immunochemical response.

**350 INORGANIC CHEMISTRY 3 F, S**

CHE 362 or cons inst.

Survey of modern inorganic chemistry including structure of inorganic compounds, coordination chemistry, non-aqueous solvents and selected inorganic reactions.

**351 INORGANIC PREPARATIONS 2**

CHE 350 or conc reg. Locker charge of \$2.

Preparation of typical inorganic compounds illustrating special and advanced techniques.

**358 RADIOCHEMISTRY 2**

CHE 362.

Survey of nuclear models, theories, and decay schemes. Application of radiochemical methods to elucidation of reaction mechanisms and molecular structure.

**360 PHYSICAL CHEMISTRY I 3 F, S**

CHE 141 or 150; PHY 109 or 111; 8 hrs of CHE or PHY courses numbered 200 or higher; MAT 116 or 136.

First of a series in theoretical chemistry dealing with gases, liquids, solutions, thermochemistry, thermodynamics, chemical and phase equilibrium, kinetic theory, and chemical kinetics.



**361 PHYSICAL CHEMISTRY LABORATORY 1 F, S**  
*CHE 360 or conc reg. Locker charge of \$2.*  
 Laboratory studies of the derivations and applications of principles treated in physical chemistry.

**362 PHYSICAL CHEMISTRY II 3 F, S**  
*CHE 360.*  
 Continuation of CHE 360, including ionic equilibrium, conductance, electromotive force, photochemistry, spectroscopy, crystals, molecular theory.

**363 PHYSICAL CHEMISTRY LABORATORY II 1 F, S**  
*CHE 362 or conc reg. One three-hour laboratory period per week. Locker charge of \$2.*  
 Laboratory studies of the derivations and applications of principles treated in physical chemistry.

**380 TOPICS IN CONTEMPORARY CHEMISTRY 1-3 F, S**  
*Cons inst. May be repeated.*  
 New concepts and recent developments in the fields of organic, inorganic, analytical, physical and biochemistry.

## Corrections

**Director:** Irving Jacks, 401 Schroeder Hall.  
**Programs:** Comprehensive major and minor in **Corrections**, an interdisciplinary program drawing upon courses from several departments.  
**Faculty:** Professor: Jacks. Assistant Professor: Mayes. Instructor: Dickerson. Lecturers: Boesen, Maye.

**101 INTRODUCTION TO CORRECTIONS 3 US-E F, S**  
 Historical and philosophical foundations of current correctional practices, concepts of punishment, nature of offenders; institutional and community-based correctional programs.

**201 PSYCHOLOGICAL PRINCIPLES APPLIED TO CORRECTIONAL REHABILITATION 3 F, S**  
*COR 101, PSY 111. Also offered as PSY 201.*  
 Psychological concepts related to the behavior and treatment of offenders.

**202 COMMUNITY-BASED CORRECTIONS 3 F, S**  
*COR 101.*  
 Theoretical basis, current methodology, and operations; court counselors, citizen action, half-way houses, work-release, drug abuse treatment, detention, reception and diagnostic centers.

**203 PROBATION AND PAROLE 3 F, S**  
*COR 202.*  
 Historical origin, legal bases, administrative structures, trends, theoretical principles, methods and techniques.

**204 LEGAL FOUNDATIONS OF CORRECTIONS 3 F**  
*COR 101.*  
 Modern correctional law as it applies to adult felons, misdemeanants and juveniles; landmark Supreme Court decisions between 1960-1970.

**390 INDEPENDENT STUDY 1-6**  
*Cons inst. and prog dir.*  
 Allows senior undergraduate and graduate students to pursue areas of special interest independently and/or to work on special projects. In order to register, students must submit a proposal outlining the project which they wish to pursue.

**397 EXTERNSHIP IN CORRECTIONS I 4 or 6 F, S**  
*COR 201, 202, senior standing, cons inst.*  
 Field placements in several different correctional settings. Externs work with designated agency personnel and are supervised by a staff member of the program.

**398 EXTERNSHIP IN CORRECTIONS II 6 F, S**  
*COR 397, cons inst.*  
 Intensive experience in a single correctional setting.

## Curriculum and Instruction

**Chairperson:** Thelbert L. Drake, 232 DeGarmo Hall.  
**Programs:** Majors in **Elementary Education** and **Junior High School Education**. The Department also offers required professional education work for students preparing to teach at the secondary level who major in the disciplines in most departments of the University.  
**Faculty:** Professors: Belshe, Berson, Bjork, Blankenship, Bunke, Cantlon, Crotts, Drake, Eastman, T. Edwards, Ewing, Frinsko, Greif, Hicklin, Huser, Irving, Livers, Madore, Meyering, W. Miller, Moore, Replogle, Rhodes, Schnepf, Slan, Waimon, Zeller. Associate Professors: Bowren, Brubaker, Carlock, Clack, C. Edwards, Eiben, Fitch, Goeldi, Goodall, Graef, Halinski, Heath, Hrudka, H. Jones, Kennedy, Lazerson, Lewis, Lorber, M. Miller, Pierce, Sherman, Stern, Venerable, Youngs. Assistant Professors: Baer, Baker, Bettis, Brown, Cochran, Coe, Conyne, Cox, Cramer, Farmer, Feicke, Fisher, Franks, Galler, Goldberg, Hager, Hoffman, Howard, A. Jones, Kachur, Kerber, Leone, Meyer, Milliren, Mincey, Moreland, Mungo, Natale, Nelson, Rapin, Rozum, Schultze, Short, Smith, Taylor, Thomas, Toney, Udstuen, Wallace. Instructors: Alpert, Collier, Cross, de Grandpre, Driscoll, Frink, Jensen, McCumber, Mills, Morris, Pennie, Richardson, Schmidt, Schultz, Stefl, Townsend. Faculty Associate: Rademacher. Faculty Assistant: Crumley, Lecturer: Burnett-Linford.

**102 CONTINUING SEMINAR 1/2 F, S**  
*Elementary education teaching maj only. May be repeated. Max 2 1/2 hours.*  
 Personal qualifications, attitudes and academic requirements for teaching. Instructor is student's advisor.

**109 HELPING RELATIONSHIPS 3 US-A F, S**  
 Development of human relations skills used in interpersonal communication, includes 2 hours lecture and 2 hours laboratory.

**200 PROFESSIONAL SEQUENCE 1-8 F, S**  
*Observations, participation and clinical teaching required. This sequence is an alternate to a series of courses — C&I 215, C&I 216, and C&I 218. A student who has earned credit in one or more of the courses in the series registers for fewer than the 8 hour maximum. This self-instructional program may be taken over several semesters. Identified portions of the Sequence must be completed prior to student teaching. This course is offered on a credit-no credit basis.*  
 Basic principles and techniques of teaching, developmental and remedial aspects of high school reading and organization and administration of American public education.



**210 CHILD GROWTH AND DEVELOPMENT 3 F, S**  
*PSY 111. No credit if in Elementary Education Program II.*

Physical, social, emotional and mental development of the child from conception through adolescence; methods of studying children and their behavior.

**215 AMERICAN PUBLIC EDUCATION 2**  
Organization and administration of American public education — federal, state, county, and local.

**216 SECONDARY EDUCATION 4**  
*C&I 102 or PSY 215. Observations and/or participation required.*

Basic principles and techniques of teaching: learning goals and their function, subject matter, assignment procedures, selection and use of various teaching aids, practice in unit and daily planning, guidance and discipline, using community resources, teacher-student planning, small-group techniques, and procedures for evaluating and reporting results.

**217 EXTRACURRICULAR ACTIVITIES IN SECONDARY SCHOOLS 2**  
*PSY 215.*

Types of activities, aims and values, practices in organization, administration, and supervision of these activities.

**218 SECONDARY-SCHOOL READING 2**  
Developmental and remedial aspects of high school reading for senior and junior high school teachers, supervisors, and administrators.

**220 READING METHODS 3 F, S**  
*C&I 210 or PSY 215. No credit if in Elementary Education Program II.*

Instruction in, observation of, use of materials and techniques in teaching word recognition (including phonics), comprehension, and critical reading.

**228 SOCIAL FOUNDATIONS 3 US-E F, S**  
Education as social process and function, social origins of contemporary educational problems.

**230 PHYSICAL SCIENCES FOR ELEMENTARY TEACHERS 3 F, S**  
*No credit if in Elementary Education Program II.*

Emphasis on "hands on" activities relevant to K-6 teachers to develop basic skills for inquiry teaching. Emphasis also on developing science concepts and skills in the physical sciences.

**231 INTRODUCTION TO PHILOSOPHY OF EDUCATION 3 US-C F, S**  
Philosophical inquiry regarding educational problems, the nature of the educative process, and its institutionalization.

**232 EDUCATION IN THE INNER CITY: AN INTRODUCTION 3 US-E F, S**  
Social, economic, and cultural forces that contribute to deprivation in urban areas; their specific relationship to education. Activities within the local community emphasized.

**235 HISTORICAL FOUNDATIONS 3 US-E F, S**  
Inquiry into the historical context of contemporary educational issues. Emphasis on development of public education in the United States.

**250 CORE I — THE ARTS 12 F, S**  
*Elementary education teaching maj only.*  
Modern programs, materials, techniques of teaching art,

creative drama and music, in elementary school. Child growth and curriculum.

**251 CORE II — COMMUNICATION SKILLS 12 F, S**  
*C&I 250.*

Modern programs, materials, techniques of teaching reading, language arts and physical education in elementary school. Media development, construction of language learning projects and exploration of oral-aural classroom activities. Evaluation, measurement, child growth, and curriculum.

**252 CORE III — NATURAL AND SOCIAL SCIENCES 10 F, S**  
*C&I 251.*

Modern programs, materials and techniques of teaching mathematics, science and social studies in elementary school. Emphasizes thinking skills. Students develop programs for a variety of classroom environments. Evaluation, measurement, and curriculum.

**253 THE CLINICAL CENTER PRACTICUM 10 F, S**  
*C&I 252.*

Participation in a partnership among Illinois State University, public school districts, the teaching profession and child-related community agencies. Measurement. Supervised clinical experiences meet state certification requirement for student teaching.

**270 PRIMARY CURRICULUM 4 F, S**  
*C&I 220 or conc reg. No credit if in Elementary Education Program II.*

Primary education as a basic unit of the elementary school; the physical plant, equipment, organization; language arts; number concepts; science experiences; social studies, methods of evaluation.

**280 MIDDLE GRADE CURRICULUM 4 F, S**  
*C&I 220 or conc reg. No credit if in Elementary Education Program II.*

Methods and materials in intermediate grades; language arts; arithmetic, science, and social studies; instructional problems for teachers; selection, organization, and use of curriculum materials; the unified program of activities; pupil appraisal.

**290 JUNIOR HIGH — MIDDLE SCHOOL CURRICULUM 4 F, S**  
*C&I 306, or conc reg, or cons inst. No credit if in Elementary Education Program II.*

Curriculum planning and instruction of young adolescents in various types of school organization; methods and materials in language arts, social studies, arithmetic, and science activities.

**292 KINDERGARTEN EDUCATION 3 F, S**  
*C&I 210 and 270, 280 or 290; or 251.*

Principles and practices of planning, teaching, and evaluating kindergarten programs.

**298 SENIOR SEMINAR IN ELEMENTARY EDUCATION 3 F, S**  
*C&I 270, 280 or 290. No credit if in Elementary Education Program II.*

Curriculum development, classroom management, teacher-pupil planning, providing for individualized differences, making records and reports, understanding research and literature of various teaching fields, testing and evaluation instruments and procedures, school-community relations, in-service education.

**302 PROSPECTUS IN ELEMENTARY EDUCATION 3 F, S**

*No credit if in Elementary Education Program II.*

The evolution of elementary education including its role in contemporary society.

**303 PRACTICUM IN UNIVERSITY READING STUDY CENTER 3 F, S**

*C&I 218 or reading portion of 200 or 307 and cons inst. Six hours each week.*

Observation and participation to provide skills necessary for working in a reading-study center in high school, junior college and senior college.

**304 COLLOQUIUM: MUSIC, ART, AND PHYSICAL EDUCATION IN THE ELEMENTARY SCHOOL 3**

**306 READING DEVELOPMENT FOR EARLY ADOLESCENCE 3 F, S**

Provides the junior high/middle school person with knowledge, skills, and abilities to work with the developmental reading growth of early adolescents. A practicum experience is provided.

**307 ADVANCED READING METHODS 3 F, S**

*C&I 220 or cons inst.*

Practical problems utilizing group techniques in teaching reading in elementary classroom. Integrates reading with non-reading learning activities.

**308 TEACHING ADULTS TO READ 3 S**

*One course in teaching of reading.*

Nature and needs of the population of reading programs for adults. Goals, techniques, content, and materials.

**309 ADULT EDUCATION PROGRAMS 3**

Instruction, direction, and administration of public school adult education. The adult learner, his needs and characteristics; facilities, staff, supervision and administration of adult education programs.

**310 ELEMENTARY SCHOOL CURRICULUM 4 S**

*C&I 270, 280, or 290; or cons inst.*

Conceptual and structural design of elementary school curriculum.

**311 TEACHING IN URBAN ELEMENTARY SCHOOLS 3 F, S**

Processes and effects of urbanization on elementary school children; adaptation of curriculum materials, techniques, procedures, and practices for teaching in urban elementary schools.

**312 URBAN FIELD EXPERIENCE 3 or 6 F, S**

An off-campus, community-based experience in urban schools, local community agencies and state and private institutions serving youth.

**324 SELECTED TOPICS IN THE HISTORY OF EDUCATION 1-3**

*C&I 335 or Upper-Level HIS crse or cons inst. May be repeated.*

**326 SELECTED TOPICS IN THE PHILOSOPHY OF EDUCATION 1-3 S**

*C&I 231 or Upper Level PHI crse or cons inst. May be repeated.*

**328 THE SCHOOL AS A SOCIAL INSTITUTION 3 US-E S**

*Completion of University Studies Group D requirements or cons inst.*

Utilization of social scientific concepts in the study of

education. Emphasis on organization and functions of the school as a social institution.

**330 MAN AND THE ANALYSIS OF EDUCATION 3**

Fundamental dimensions of foundational inquiry; historical, philosophical, social, and comparative foundations of education. Emphasis on relationship between selected views of man and their implications for education.

**332 EDUCATION IN THE INNER CITY 3 F, S**

*C&I 270 or 280 or 290 or appropriate portion C&I 200. Field trips.*

Problems of educating students living in inner city. Student characteristics, needed teacher skills and attitudes, instructional materials, techniques, school and community programs.

**333 THE JUNIOR HIGH SCHOOL 2 F, S**

Philosophy, functions, curricula of early adolescent education as implemented in junior high/middle schools. Relationships between pupils' developmental characteristics, needs, and behaviors and development of school programs. Problems, issues, evaluation and accreditation of junior high/middle schools.

**335 HISTORY OF EDUCATION 3 S**

Development of European and American educational systems and programs. Historical perspective of modern educational problems.

**336 INTRODUCTION TO COMPARATIVE EDUCATION 3**

Comparative analysis of major ideas and institutions of selected national systems of education. Problems related to developments in American education.

**340 STATISTICS I 3 F, S**

*PSY 111 or SOA 106. Also offered as SOA 340, and PSY 340.*

Application and interpretation of basic statistics used in the behavioral sciences: Descriptive statistics, simple hypothesis testing and two-variable regression.

**353 CONTEMPORARY PROGRAMS IN ELEMENTARY SCHOOL SCIENCE 3 F**

*C&I 230 or cons inst.*

Student investigations of ESS, SCIS, AAAS, COPES, materials commensurate with his teaching grade level. Emphasis placed on the investigative approach to the teaching of elementary science.

**354 DEMONSTRATION TECHNIQUES IN ELEMENTARY SCHOOL SCIENCE 2 S**

*C&I 230, 252 or cons inst.*

Basic theory, rationale, and principles of effective demonstration science teaching in elementary school science. Includes analysis, synthesis, and utilization of both commercial and individually constructed demonstration apparatus and materials. Students will develop and use demonstration materials.

**360 PRINCIPLES OF GUIDANCE 3 F, S**

Backgrounds, philosophy, and services in school guidance programs. Appraisal, informational and counseling services. Role of the classroom teacher: organization of guidance activities.

**361 STUDENT PERSONNEL WORK IN HIGHER EDUCATION 3**

Fundamental concepts, organization and administration of higher education student personnel work. The student personnel worker as a facilitator in the changing educational scene.



**387 MEASUREMENT AND EVALUATION  
IN EDUCATION 3 F, S**

Development, use and improvement of standardized and teacher-made tests and self-rating devices. Interpretation of test data and use of test results. Appropriate for elementary, secondary and college levels.

## Dance

See Health, Physical Education and Recreation

## Economics

**Chairperson:** James V. Koch, 338 Schroeder Hall.

**Programs:** Identical liberal arts and teacher education major and minor in **Economics**. The major program allows areas of emphasis in business and government, social sciences, or graduate preparation. Also, interdisciplinary comprehensive major in **Social Sciences** available combining work in Economics, History, Political Science, and Sociology.

**Faculty:** Professors: Firestone, Harden, Hassan, Koch, Laumas, McCarney, Poe. Associate Professors: Owen, Ramsey. Assistant Professors: Allison, Chizmar, Herschede, Hiebert, Johnson, Lie, Mehra, Ostrosky. Instructors: Bittle, Burgauer

**100 PRINCIPLES OF  
ECONOMICS I 3 US-D F, S**

Elements of supply and demand analysis, national income determination, the banking system, fiscal and monetary policy, international finance (or balance of payments problems) and economic growth and development.

**101 PRINCIPLES OF  
ECONOMICS II 3 US-D F, S**

Foundations of supply and demand, behavior of firms under various market structures, factor pricing and the distribution of income, international trade.

**130 INTRODUCTION TO MATHEMATICAL  
ECONOMICS 3 F**

*ECO 101, MAT 120 or cons inst.*

A systematic exposition of certain basic mathematical methods; algebra, calculus, and linear algebra and the relation of these techniques to various types of economic analyses.

**131 BUSINESS AND ECONOMIC  
STATISTICS 3 F, S**

*ECO 101, MAT 120 or cons inst.*

Introduction to statistical concepts and methods most useful in business and economic analysis. Descriptive statistics, techniques of hypothesis testing, interval estimation, and linear association are used to illustrate both effective and fallacious uses of statistics.

**205 DEVELOPMENT  
ECONOMICS 3 F, S**

*ECO 101.*

Principal determinants of economic development and problems associated with generating and accelerating economic growth in less-developed areas.

**210 COMPARATIVE ECONOMIC  
SYSTEMS 3 F, S**

*ECO 101.*

Theoretical and descriptive aspects of Capitalism, Communism, Fascism, and Socialism. Emphasis given to process of economic decision-making with respect to allocation of resources and economic growth.

**215 MONEY AND  
BANKING 3 F, S**

*ECO 101.*

Development and growth of the monetary system. Emphasis on monetary theory and applied policy issues.

**225 LABOR ECONOMICS AND  
LABOR PROBLEMS 3 F, S**

*ECO 101.*

Economic aspects of labor and trade unionism. Emphasis on wage determination, bargaining, manpower, and effects of unions.

**306 REGIONAL AND AREA  
STUDIES 1-9 US-E**

An intensive study of particular lands, environments, cultures and peoples. May be given in cooperation with other departments on or off campus. The areas to be studied, participating departments, and credit hours available in the several departments will be announced each time the course is offered.

**320 INDUSTRIAL ORGANIZATION  
AND PRICES 3 S**

*ECO 101.*

Theoretical and empirical analysis of basic influences on industrial markets and performance. Market practices, the role of competition, and related policy issues.

**326 ECONOMICS OF HUMAN  
RESOURCES 3 F**

*ECO 101. Formerly MANPOWER ECONOMICS.*

Theoretical and empirical analysis of labor markets. Education and training, labor mobility, wage structure, discrimination, unemployment, wage and incomes policies.

**330 MATHEMATICAL  
ECONOMICS 3 S**

*ECO 101 and coursework in differential and integral calculus.*

Quantitative techniques as they are applied to business and economic problems. Covers integral calculus, difference equations, differential equations and linear programming in relation to economic theory.

**331 INTERMEDIATE ECONOMIC  
STATISTICS 3 F**

*ECO 131 and coursework in differential and integral calculus.*

Methods of collecting and analyzing economic data including descriptive statistics, probability, sampling distributions, hypothesis testing, estimation, linear regression, and data processing.

**333 OPERATIONS RESEARCH 3 S**

*ECO 131 and coursework in differential and integral calculus.*

Quantitative techniques for economics analysis and decision making. Includes linear programming, input-output analysis, game theory, queuing theory, and probabilistic models, with emphasis on applications to theory of the firm.

**335 ECONOMICS OF TRANSPORTATION  
AND PUBLIC UTILITIES 3 F**

*ECO 101. Formerly TRANSPORTATION.*

An analysis of contemporary issues in transportation and public utilities, with emphasis on the impact of regulation.

**339 MANAGERIAL ECONOMICS 3 F**

*ECO 101.*

Theoretical and applied study of demand, costs, and production related to the theory of the firm. Developments of current interest; empirical studies intended to affirm or disaffirm applicability of economic principles.

**340 INTERMEDIATE MICROECONOMIC THEORY 3 F, S**  
*ECO 101.*

Emphasis on topics regarding resource allocation, scarcity, and distribution of income; theory of consumer choice, theory of the firm, market structures, factor markets, distribution of income, welfare economics, and general equilibrium.

**341 INTERMEDIATE MACROECONOMIC THEORY 3 F, S**  
*ECO 101.*

Theory of income, employment, interest rate and price level determination. The government's influence on these variables via monetary and fiscal policies.

**345 INTERNATIONAL ECONOMICS 3 F**  
*ECO 101.*

Basic aspects of the international economy as the reasons for trade, the terms of trade, and the adjustments necessary to achieve the highest possible plane of living, as well as balance of payments and exchange theory. Contemporary applications such as exchange crises, trade barriers, and the links between trade and development.

**350 PUBLIC FINANCE 3 F**  
*ECO 101.*

Economic role of government in the economy. Analysis of the economic impacts of government expenditures and taxes on the allocation of resources, the distribution of income, employment, prices and economic growth.

**351 STATE AND LOCAL FINANCE 3**  
*ECO 101 or cons inst. Formerly ECO 451.*

Economic impacts of state and local tax and expenditure programs, intergovernmental fiscal relations and problems of metropolitan areas.

**360 QUANTITATIVE ECONOMIC HISTORY 3 S**

Recent empirical studies and applications of economic theory to historical problems in an American context.

**372 HISTORY OF ECONOMIC THOUGHT 3 S**  
*ECO 101.*

A study of economic analysis from the Mercantilists to the American Institutionalists. Relates earlier schools of thought to the contemporary.

## Elementary Education

See Curriculum and Instruction

## English

**Chairperson:** William R. Linneman, 409 Stevenson Hall.

**Programs:** Major and minor in **English**. Comprehensive major, major, and minor in **English Education**. Individualized program options available within the majors in **English** and **English Education**.

**Faculty:** Professors: Bishop, Canning, Crowell, Gimmetstad, Heissler, Hill, Jochums, Ranta, Sutherland, Vetter, White. Associate Professors: Alexander, Allen, Bellas, L. Brosnahan, Drawver, Duncan, K. Easson, R. Easson, Ericksen, C. Harris, Hutton, Kagle, Linneman, McMahan, Morgan, Richardson, Tarr, Woodson. Assistant Professors: Albert, Balls, I. Brosnahan, Carr, Cox, Dammers, Eatherly, Funk, Getsi, Grever, Helgeson,

Holden, Martin, Mentzer, Neuleib, Newby, Nietzsche, Parmantie, Pilch, Renner, Scrimgeour, Templeton, Werner, Wilcox, Wise. Instructors: Adams, Boaz, Day, Feaster, Fielding, Gorrell, Gratchner, V. Harris, Kizer, Kohlmeier, Littler, Madden, McNulty, Moran, Perkins, Plummer, Sherman, Walker, Welsch.

The courses offered by the Department of English fall into three categories: those for University Studies, those for major and minor fields, and those for specialized aspects in English.

English 101 is strongly recommended before the student takes further courses in English.

**101 LANGUAGE AND COMPOSITION 3 US-A F, S**  
*Does not count toward a first or second field in English.*

Essentials of college composition: organization, paragraph and sentence structure, proficient use of grammar and mechanics.

**102 LITERARY ANALYSIS I: PROSE FICTION 3 US-B F, S**  
*Maj min only. Cldd if had ENG 105.*

To provide competence in critical reading, knowledge of formal characteristics of novels and short stories, including their development as genres.

**103 LITERARY ANALYSIS II: POETRY AND DRAMA 3 US-B F, S**  
*Maj min only. Cldd if had ENG 104.*

To provide competence in critical reading, knowledge of formal characteristics of various types of poetry and drama, including their development as genres.

**104 INTRODUCTION TO LITERATURE — POETRY AND DRAMA 3 US-B F, S**  
*Cldd if had ENG 103.*

Critical and analytical study of the chief literary forms of poetry and drama; written essays.

**105 INTRODUCTION TO LITERATURE — PROSE FICTION 3 US-B F, S**  
*Cldd if had ENG 102.*

Critical and analytical study of the chief literary forms of the short story and novel; written essays.

**110 MASTERPIECES OF ENGLISH LITERATURE 3 US-B F, S**

A chronological study of the main movements in English literature. Readings of entire works representative of the movements.

**130 MASTERPIECES OF AMERICAN LITERATURE 3 US-B F, S**

A chronological study of the main movements in American literature. Readings of entire works representative of the movements.

**145 ADVANCED EXPOSITION 3 US-A F, S**

Extensive writing based on interests of students. One research paper.

**150 ANCIENT LITERATURE 3 US-B F, S**

Selected readings in ancient Greek, Roman, and Oriental literatures in translation.

**160 WOMEN IN LITERATURE 3 US-B F, S**

A study of the female experience in imaginative literature — short stories, novels, poetry, and drama — with emphasis on women writers of the 20th century.



**170 LITERATURE FOR THE ELEMENTARY SCHOOL 3 F, S**

*Also offered as INS 170.*

Prose and poetry for kindergarten through eighth grade; emphasis on classics, best of the 20th-century works, folklore heritage, and mythology.

**213 MEDIEVAL ENGLISH LITERATURE 3 US-B**

English literature from the 8th to the 15th centuries; readings in Modern English.

**214 LITERATURE OF THE RENAISSANCE 3 US-B F, S**

English literature during the 15th and 16th centuries; the dramatic literature exclusive of Shakespeare, prose and poetic writings.

**215 LITERATURE OF THE SEVENTEENTH CENTURY 3 US-B**

Prose and verse writers of the 17th century. Chief attention to the Cavalier and Metaphysical poets and major prose works.

**216 LITERATURE OF THE EIGHTEENTH CENTURY 3 US-B F, S**

English literature from 1660 to 1780, the Augustan Age. Chief attention to Dryden, Pope, Swift, and Johnson.

**217 LITERATURE OF THE ROMANTIC PERIOD 3 US-B F, S**

Writers of England, 1780 to 1830 — the Romantic reaction. Chief attention to Wordsworth, Coleridge, Byron, Shelley, Keats, and Scott.

**218 LITERATURE OF THE VICTORIAN PERIOD 3 US-B F, S**

Emphasis on the poetry of Tennyson, Browning, Arnold, and the Pre-Raphaelites, with some attention to the chief prose writers of the period.

**219 CONTEMPORARY ENGLISH LITERATURE 3 US-B F, S**

Major English writers of the 20th century with attention to contemporary trends in thought and expression.

**222 SHAKESPEARE'S EARLIER WORKS 3 US-B F, S**  
*Formerly SHAKESPEARE: COMEDIES AND HISTORIES.*

Selected works through 1600 with emphasis on comedies and histories.

**223 SHAKESPEARE'S LATER WORKS 3 US-B F, S**

*Formerly SHAKESPEARE: TRAGEDIES.*

Selected plays after 1600 with emphasis on tragedies.

**231 AMERICAN LITERATURE: 1607 TO 1830 3 US-B**

Colonial American writers and Neo-Classicism in America from the beginnings of American literature to Washington Irving.

**232 AMERICAN LITERATURE: 1830 TO 1870 3 US-B F, S**

The main figures and movements of 19th-century American literature. Emphasis on Hawthorne, Melville, Poe, Emerson, and Whitman.

**233 AMERICAN LITERATURE: 1870 TO 1920 3 US-B F, S**

The rise of realism and naturalism in America. Emphasis on Crane, Norris, James, Howells, Dreiser, and the chief poetic movements.

**234 AMERICAN LITERATURE: 1920 TO 1945 3 US-B F, S**

Trends in American literature between the World Wars. Emphasis on Eliot, Hemingway, Faulkner, and their contemporaries.

**235 AFRO-AMERICAN LITERATURE 3**

A study of the contributions to American literature by representative Black authors, with emphasis on the 20th century.

**236 AMERICAN LITERATURE: 1945 TO THE PRESENT 3 US-B F, S**

Present-day trends in American literature.

**241 GROWTH AND STRUCTURE OF THE ENGLISH LANGUAGE 3 US-A F, S**

An introduction to the history of English designed to help students understand language change and the state of contemporary English.

**243 TRADITIONAL AND NON-TRADITIONAL GRAMMARS 3 US-A F, S**

Study of the various grammatical descriptions of English: traditional, structural, and transformational-generative systems.

**245 GENERAL SEMANTICS 3 US-A F, S**

The nature of meaning and the functions of language.

**247 CREATIVE WRITING 3 US-A F, S**

Opportunity for creative writing of various kinds, as narrative, drama and verse, determined largely by each student's individual interest.

**250 LITERATURE OF THE BIBLE I 3 US-B F**

Major ideas and literary forms of the Old Testament.

**251 LITERATURE OF THE BIBLE II 3 US-B S**

Major ideas and literary forms of the Apocrypha and the New Testament.

**252 EUROPEAN LITERATURE TO 1700 3 US-B**

Chief movements and works of Continental European literature from the Middle Ages to the Renaissance. Readings in translation.

**254 EUROPEAN LITERATURE: 1700 TO 1850 3 US-B**

Main movements of Continental European literature from the Renaissance to modern times. Readings in translation.

**255 MODERN WORLD LITERATURE I 3 US-B F**

Foreign literature in translation from 1850 to 1940.

**256 MODERN WORLD LITERATURE II 3 US-B S**

Foreign literature in translation since 1940.

**271 LITERATURE FOR LOWER GRADES 3 F, S**

*Also offered as INS 271.*

Wide reading in variety of books available for kindergarten and primary grades, criteria for book selection, development of literature programs. Does not repeat materials of ENG 170.

**272 LITERATURE FOR UPPER GRADES 3 F, S**

*Also offered as INS 272.*

Wide reading in variety of books available for grades four through eight, criteria for book selection, development of literature programs.

**285 THE DRAMA 3 US-B**

From Greece to modern times. In translation.

**286 THE NOVEL 3 US-B F, S**

The novel in English with emphasis on the 19th and 20th centuries.

**290 LANGUAGE ARTS FOR THE ELEMENTARY SCHOOL 3 F, S**

Guidance in devising experiences in thinking, listening, speaking, writing; ways of improving vocabularies, usage, spelling, mechanics, introduction to linguistics.

**296 LITERATURE IN THE SECONDARY SCHOOL 3 F, S**

The teaching of literature for use in the junior and senior high school.

**297 LANGUAGE AND COMPOSITION IN THE SECONDARY SCHOOL 3 F, S**

The teaching of oral and written composition in the junior and senior high school.

**298 SEMINAR 3**

Intensive study of a genre, topic, group of authors, or single major writer in English or American Literature.

**299 INDEPENDENT HONOR STUDY 1-6**

*Cons inst, dept chrpn and dir of Honors.*

Intensive work in a special area of the student's major or minor. Each individual project is to culminate in a comprehensive written report and/or examination. Open only to resident students who have achieved superior academic records and who have demonstrated ability to profit from independent study. A maximum of six hours of credit in independent study may be applied toward graduation.

**306 REGIONAL AND AREA STUDIES 1-9 US-E**

*May be given in cooperation with other departments.*

Intensive study of particular lands, environments, cultures, literatures, and peoples.

**310 HISTORY AND DEVELOPMENT OF THE ENGLISH LANGUAGE 3**

Development of the English language from the Old English period to the present, with attention to operational structures of contemporary English.

**311 INTRODUCTION TO OLD ENGLISH 3**

The elements of Old English grammar, with selected readings in Old English literature.

**312 BEOWULF AND OTHER OLD ENGLISH POEMS 3**

*ENG 311 or cons inst.*

*Beowulf* and other Old English poetry in Old English with discussion of forms, types, and characteristics.

**313 MIDDLE ENGLISH LANGUAGE AND LITERATURE 3**

Introduction to Middle English language and literature (1100-1500) with selected readings in the five major dialects of Middle English, excluding Chaucer.

**317 VICTORIAN PROSE 3**

Major non-fiction prose writers of the period 1832-1901, such as Carlyle, Mill, Newman, Ruskin, Arnold, Huxley, and Pater.

**320 CHAUCER 3**

Literary and linguistic study of the major works of Chaucer; text in Middle English.

**324 MILTON 3**

Major poetry and prose of John Milton; special attention to *Paradise Lost*.

**325 ENGLISH DRAMA BEFORE 1642 3**

English drama, excluding Shakespeare, from its beginning to the closing of the theatres; such authors as Marlowe, Jonson, Webster.

**327 RESTORATION AND EIGHTEENTH-CENTURY DRAMA 3**

English drama from 1660 to 1800, including such playwrights as Dryden, Wycherley, Congreve, Goldsmith, and Sheridan.

**328 MODERN BRITISH AND AMERICAN DRAMA 3 F, S**

20th-century British and American drama and related criticism; such playwrights as Shaw, O'Neill, Williams, Albee, Pinter, and Beckett.

**332 SELECTED FIGURES IN AMERICAN LITERATURE 3 F, S**

*May be repeated if content different.*

Study of important literary figures, genres, or movements.

**336 THE AMERICAN NOVEL 3 F, S**

Historical survey of major American novelists, including such authors as Hawthorne, Melville, Clemens, Crane, Hemingway, Faulkner, and Barth.

**341 INTRODUCTION TO DESCRIPTIVE LINGUISTICS 3**

Aims and methods of linguistic science. Nature and functions of language: phonology, morphology, syntax, dialectology. Relationship of language to culture.

**342 INTRODUCTION TO HISTORICAL LINGUISTICS 3**

*ENG 341 or cons inst.*

Historical comparative linguistics concentrating on the Indo-European family. Causes and types of linguistic change.

**347 ADVANCED CREATIVE WRITING 3 F, S**

Workshop format for individual projects, usually the writing of a series of poems or group of short stories.

**348 PLAYWRITING 3**

*Also offered as THE 348.*

Playwriting techniques of selected masters with practical application of techniques in writing original plays.

**349 TECHNICAL WRITING 3 F, S**

*ENG 101 or cons inst. Also offered as IT 349.*

Instruction and practice in the forms and techniques of technical writing, adapted wherever possible to the professional interests of the individual student.

**370 STUDIES IN THE HISTORY OF LITERATURE FOR YOUNG PEOPLE 3**

*ENG 170 or cons inst. May be repeated if content different.*

Advanced critical, chronological examination of literature for children and adolescents from folklore origins to 1900.

**372 STUDIES IN CONTEMPORARY LITERATURE FOR YOUNG PEOPLE 3**

*ENG 170 or cons inst. May be repeated if content different.*

A problem-centered course, emphasizing trends and research related to recent literature for children and adolescents.



**373 VERSE FOR CHILDREN 3**

*ENG 170 and either 271 or 272, or cons inst. Formerly ENG 273.*

Verse for use in kindergarten through grade eight, including various categories, desirable elements, and well-known poets in the field.

**375 STUDIES IN LITERATURE FOR ADOLESCENTS 3**

*May be repeated if content different.*

Advanced critical examination of literature for grades seven through twelve with emphasis on trends and research.

**382 LITERARY CRITICISM 3**

Historical survey of selected great texts in literary and critical theory from Plato to Northrop Frye.

**386 THE EIGHTEENTH-CENTURY ENGLISH NOVEL 3**

The English novel from its origins through the 18th century, including such writers as Richardson, Fielding, Smollett, and Sterne.

**387 THE NINETEENTH-CENTURY ENGLISH NOVEL 3**

The English novel between 1800 and 1900, treating such writers as Austen, Thackeray, Dickens, Eliot, and Hardy.

**388 THE TWENTIETH-CENTURY ENGLISH NOVEL 3**

The English novel since 1900, treating such writers as Bennett, Lawrence, Woolf, Joyce, and Greene.

**390 RECENT RESEARCH IN THE TEACHING OF THE LANGUAGE ARTS 3**

*ENG 290 or cons inst.*

Critical study of current practice and research in the teaching of the language arts in the elementary school.

**392 MODERN THEORIES OF RHETORIC 3**

Study of the principles of rhetoric to serve as basis for understanding contemporary rhetorical theories.

**395 PROBLEMS IN THE TEACHING OF ENGLISH 3**

*Experience in teaching (student teaching acceptable) or ENG 296 or ENG 297.*

Examination of theory and practice in the teaching of language, literature, and composition at the secondary and community college levels.

**397 RESEARCH SEMINAR 3**

Introduction to bibliography, methods of research, critical evaluation of scholarship, and applied literary criticism.

**398 MULTI-DISCIPLINARY SEMINAR 3**

Intensive study in subject matter which crosses disciplinary lines, to be offered by two or more departments.

## Foreign Languages

**Chairperson:** Richard O. Whitcomb, 425 Stevenson Hall.

**Programs:** Liberal arts majors and minors available in **French, German, Russian, and Spanish.** Teacher Education majors and minors available in **French Education, German Education, Russian Education, and Spanish Education.** Also minor in **Latin and Latin Education.** See also **Latin American Studies** minor and options available within **Ethnic and Cultural Studies** minor.

**Faculty:** Professors: Comfort, Kuhn, Laurenti, Tarrant,

Whitcomb. Associate Professors: Ferguson, Foreman, Fuehrer, Parent, Parker, Perry, Rodriguez. Assistant Professors: Balkema, Cradler, Fritzen, Harrison, Hutter, Kellams, Kennedy, Martinez, McIntyre, Petrossian, Pfabel, Roussey, Sault. Instructors: Crego, DeLey, Gaigalas, Huffman.

Students who have had no previous instruction in foreign language enroll in the course numbered 111 (French, German, Latin, Russian, Spanish). Students who have had one, two, or three years of a language in high school may enroll without examination in 112, 115, or 116, respectively. Students who have completed successfully four years of work in a foreign language in high school should consult with the chairperson of the Department of Foreign Languages to determine proper placement.

The Department of Foreign Languages reserves the right to examine a transfer student as to his ability to carry courses numbered in the 300's.

A student must complete both semesters of the first year of a foreign language to receive credit toward graduation.

## General Courses

**204 FOREIGN LANGUAGE TEACHING IN THE SECONDARY**

**SCHOOL 1-3**

**F, S**

*Two 200-level FOR courses.*

Concepts and methods. Preparation of audio-lingual exercises, including pattern drills, on tapes for language laboratory use. Lesson plan and testing. Operation and management of a foreign language laboratory. Sources and uses of teaching aids, such as filmstrips, films, charts, and maps. Lectures, discussions, individual projects, and observation of classes.

**300 RESEARCH IN FOREIGN LANGUAGES 1-3**

**F, S**

*Cons dept chrpn.*

Supervised work in a foreign literature, in comparative language studies, or in educational materials for foreign language laboratory. Assignments will depend on the preparation and interest of the student.

## Classics

**101 GREEK AND LATIN FOR VOCABULARY**

**BUILDING 3 US-A**

**F**

*Formerly GREEK AND LATIN IN EVERYDAY USE.*

The history of the Latin and Greek elements in English, study of the roots, prefixes, and suffixes derived from Latin and Greek to enable the student to increase his active and passive vocabulary and to enable him to determine the meanings of new words that he hears or reads. Some treatment of the subject of semantics as it applies to the Latin and Greek elements in English. A consideration of the technical vocabulary of the sciences according to the interests of the class.

**105 CLASSICAL MYTHOLOGY 3 US-B**

**F, S**

*Formerly CLASSICAL MYTHOLOGY AND ITS INFLUENCE.*

The major myths: their nature, origins, interpretations, influence, relevance, and use in the modern world. Designed to enable the student to understand and appreciate the use of classical mythology in literature, art, and music.

## Greek

### 111 and 112 CLASSICAL GREEK 4 ea US-A

The Greek alphabet, pronunciation, essentials of grammar, translation or reading material of graded difficulty, exercises in writing Classical Greek, consideration of the Greek element in English.

## Latin

### 111 and 112 FIRST-YEAR LATIN 4 ea US-A

Pronunciation; essentials of grammar; reading graded material; exercises in writing easy Latin; consideration of the Latin element in English.

### 115 INTERMEDIATE

#### LATIN 4 US-A

F

*LAT 112, or two yrs HS LAT, or cons dept chrpn.*

Review of Latin fundamentals. Practice in writing simple Latin. Reading beginning with graded Latin selections and progressing to selections from Cicero's orations.

### 116 VERGIL 4 US-A

S

*LAT 115 or three yrs HS LAT.*

Aeneid, Books I-VI: The purpose, sources, merits and fame of the Aeneid, and its references to other classic epics; poetical syntax, figures of speech prosody, and mythology in the Aeneid.

### 201 and 202 SURVEY OF LATIN

#### LITERATURE 4 ea US-B

*LAT 116 or three yrs HS LAT.*

Introduction to the history and development of Latin literature. Translation of representative selections from the works of the most important authors of the Republic and Empire.

### 211 CICERO'S ESSAYS 3 US-B

Reading of selections from Cicero's philosophical essays. An appreciation of these essays as literary masterpieces, both in style and thought. Discussion of the treatment of the same themes by other writers, ancient and modern.

### 212 PLAUTUS AND TERENCE 3 US-B

Intensive reading of at least three plays of Plautus and Terence and a recognition of the importance of these plays as examples of Roman dramatic art. Peculiarities of meter, style and syntax. Special readings on the history of the theater, the development of the Roman drama, and the influence of Plautus and Terence on later drama.

### 215 LATIN PROSE COMPOSITION 2

Systematic review of Latin inflections and syntax with written and oral exercises in the use of Latin constructions. Some practice in writing connected discourse based on Latin authors.

### 226 ROMAN CIVILIZATION 2

*Rec for LAT maj and min.*

Background for the Latin teacher. An introduction to Roman topography is included.

### 231 OVID, METAMORPHOSES 3 US-B S

Translation, scansion, and reading of the passages most helpful to the teacher of Latin.

### 232 SELECTIONS FROM CAESAR'S

#### GALLIC WARS 3 US-B

Selections of historical importance from Caesar. Emphasis on problems connected with the reading and translation of Latin; a thorough review of Latin forms and syntax.

### 234 LIVY 3 US-B

F

Selections from Livy's History of Rome. Study of some of the most important phases of the history of the Roman people. Livy as an historian and writer.





**315 HORACE:**  
**ODES AND EPODES 3 US-B F**  
 Translation, interpretation, metrical reading of Horace's lyric poetry. Critical study of the characteristic features of his style. Life in the Augustan Age and Horace's philosophy of life.

**316 ROMAN SATIRE 3 US-B S**  
 The history and development of satire as a literary genre; reading of representative selections from Ennius, Lucilius, Horace, Persius and Juvenal; a consideration of their influence upon later literature.

**318 TACITUS 2 US-B**  
 Agricola and Germania. An introduction to the prose of the Silver Period.

**319 SELECTIONS FROM THE LETTERS OF CICERO 2 US-B**  
 Translation of some of the most interesting and important letters of Cicero as a commentary on the manners, history and politics of the period of the Republic.

**320 SELECTIONS FROM THE LETTERS OF PLINY 2 US-B**  
 Readings from the correspondence of Pliny selected for their importance as a commentary on Roman life and manners during the period of the Empire. Study of the letters both as human documents and as literary compositions.

**385 SELECTED TOPICS IN LATIN LITERATURE 3 US-B**  
*May be repeated if content different.*  
 Intensive study of a genre, group of authors or a single major writer in Latin literature. The field of study will vary each semester according to the interests and needs of students and the availability of instructors.

## French

**111 and 112 FIRST-YEAR FRENCH 4 ea US-A F, S**  
*Not rec if student had two yrs HS FR.*  
 Pronunciation; essentials of grammar; exercises in hearing, speaking and writing French; reading material of graded difficulty.

**113 FRENCH CONVERSATIONAL PRACTICE 2 US-A F, S**  
*FR 112 or cons dept chrpn. Clsd FR 200 level students.*  
 Intermediate level conversational practice. Exercises to improve diction, pronunciation, intonation and comprehension.

**114 FRENCH COMPOSITION PRACTICE 2 US-A F, S**  
*FR 112 or cons dept chrpn. Clsd FR 200 level students.*  
 Intermediate level composition practice, including translation and grammar exercises.

**115 and 116 SECOND-YEAR FRENCH 4 ea US-A F, S**  
*FR 112 or two yrs HS FR.*  
 Class reading of short stories, plays, and essays. Grammar review, oral and written composition.

**203 FRENCH FOR THE ELEMENTARY SCHOOL 3 S**  
*FR 116. Clsd maj min.*  
 Practical exercises in the preparation and the use of classroom materials. For Resource Persons in Elementary Education.

**211 MODERN FRENCH NOVEL 3 US-B F, S**  
*FR 116.*  
 Class and collateral reading of the novel of the 19th and 20th centuries.

**216 MODERN FRENCH DRAMA 3 US-B F, S**  
*FR 116.*  
 Class and collateral reading of the drama of the 19th and 20th centuries.

**217 FRENCH CIVILIZATION 3 F, S**  
*FR 116.*  
 French people and institutions are background for the French teacher.

**221, 222, and 223 SURVEY OF FRENCH LITERATURE 3 ea US-B F, S**  
*FR 116.*  
 French literature from the 17th century to the present.

**231 ADVANCED FRENCH COMPOSITION AND CONVERSATION 2 F, S**  
*FR 116.*  
 Reading of short excerpts from modern writers; written and oral composition; dictation and memorizing of short passages.

**301 FRENCH ROMANTICISM 3 US-B**  
 Reading of poetry, novels, plays, criticism, stories, and history.

**302 FRENCH CLASSICISM 3 US-B**  
 Reading of plays by Corneille, Racine and Moliere, and of selections from other 17th century writers.

**309 FRENCH PHONETICS 2 F, S**  
 A scientific approach to French pronunciation. Correct formation of French sounds, practical application of the theory of phonetics to teaching.

**316 FRENCH LITERATURE OF THE SIXTEENTH CENTURY 3 US-B S**  
 Analysis of the Renaissance as it expressed itself in the leading writers of France in the 16th century.

**318 MOLIERE 3 US-B F**  
 Major comedies of Moliere.

**322 FRENCH LITERATURE OF THE MIDDLE AGES 3 US-B**  
*Formerly LE MOYEN AGE.*  
 A study of medieval French literature in modern French translation.

**332 FRENCH LYRIC POETRY 2 US-B**  
 Reading of French lyrics from the 16th century to the present; study of the schools of poetry; explication de texte. Oral reading.

**385 SELECTED TOPICS IN FRENCH LITERATURE 3 US-B F, S**  
*May be repeated if content different.*  
 Intensive study of a genre, group of authors or a single major writer in French literature. This study varies each semester.

## German

**111 and 112 FIRST-YEAR GERMAN 4 ea US-A F, S**  
*Not rec if student had two yrs HS GER. Clsd if had GER 113 except cons dept chrpn.*  
 Pronunciation, essentials of grammar, reading material of graded difficulty, oral and written exercises.

**113 ELEMENTARY GERMAN COMPOSITION AND CONVERSATION 2 US-A F, S**  
*GER 112 or cons dept chrpn. Conc reg with GER 115 and 116 acceptable.*

Oral and written exercises and short discussions leading to a command of elementary, idiomatic German. Major emphasis on composition.

**115 SECOND-YEAR GERMAN I 4 US-A F, S**  
 Intensification of the four basic language skills, with emphasis on reading and listening comprehension.

**116 SECOND-YEAR GERMAN II 4 US-A F, S**  
 Thorough grammar review; oral and written exercises; reading as a language tool.

**118 SCIENTIFIC GERMAN 4 US-A**  
*GER 115 or cons dept chrpn.*  
 Analytical approach to basic translation skills. Development of a scientific vocabulary and interpretation of German scientific literature with aid of a dictionary.

**211 GERMAN NOVELLE 3 US-B F**  
*GER 116 or cons dept chrpn.*  
 Reading and discussion of representative German Novellen.

**213 INTERMEDIATE GERMAN COMPOSITION AND CONVERSATION 3 F, S**  
 Continued intensification of writing and speaking skills; vocabulary building and conversation, with emphasis on idiomatic expressions.

**214 GERMAN CONVERSATIONAL PRACTICE 2 F, S**  
*GER 113 and 116 or cons dept chrpn.*  
 Improvement of active command of previously learned skills, including diction, pronunciation, comprehension capacity.

**216 GERMAN DRAMA 3 US-B**  
*GER 116 or cons dept chrpn.*  
 Lectures, reading, and discussion of representative works of outstanding German, Austrian and Swiss dramatists.

**217 GERMAN CULTURE AND CIVILIZATION 3 S**  
*GER 116 or cons dept chrpn.*  
 An overview of German culture from the beginning to World War I, as derived from selected readings and class discussions.

**218 GERMANY TODAY 3 F**  
*GER 116 or cons dept chrpn.*  
 A study of the German scene since World War I, as reflected in essays and articles of representative authors. Strongly recommended for teaching majors.

**221 SURVEY OF GERMAN LITERATURE I 3 US-B**  
*GER 116 or cons dept chrpn.*  
 Reading and discussion of representative works of the most important authors from the 8th century to circa 1770.

**222 SURVEY OF GERMAN LITERATURE II 3 US-B**  
*GER 116 or cons dept chrpn.*  
 Reading and discussion of representative works of the most important authors from the early 19th century to the present.

**223 GERMAN PROSE OF THE TWENTIETH CENTURY 2 US-B**  
*GER 116 or cons dept chrpn.*  
 Reading and discussion of and individual reports on novels and short stories, particularly those of Hesse, Musil, and Mann.

**302 GOETHE 3 US-B**  
*Two crses beyond GER 116.*  
 Reading and discussion of a number of major works, with emphasis on the drama.

**303 SCHILLER 3 US-B**  
*Two crses beyond GER 116.*  
 Reading and discussion of a number of major works, with emphasis on the drama.

**309 GERMAN PHONETICS 2**  
*Two crses in GER lit.*  
 Scientific approach to German pronunciation; correct formation of German sounds, practical application of theory of phonetics to teaching.

**313 ADVANCED GERMAN COMPOSITON AND CONVERSATION 2**  
*GER 213 or cons dept chrpn.*  
 Free discussion of topics of contemporary interest; oral and written themes based on the class discussions.

**318 GOETHE'S FAUST 3 US-B**  
*Two crses beyond GER 116.*  
 Critical study of Parts I and II of *Faust* as an expression of Goethe's philosophy. Lectures, readings, and reports.

**332 GERMAN LYRIC POETRY 2 US-B**  
*GER 116 or cons dept chrpn.*  
 Reading and interpretation of German lyric poetry from 800 A.D. to the present.

**385 SELECTED TOPICS IN GERMAN LITERATURE 3 US-B**  
*Two crses in GER lit. May be repeated if content different.*  
 Intensive study of a genre, group of authors, or a single major writer in German literature.

## Italian

**111 and 112 FIRST-YEAR ITALIAN 4 ea US-A**  
 Pronunciation; essentials of grammar; exercises in comprehending, speaking, and reading material of graded difficulty.

## Portugese

**111 and 112 FIRST-YEAR PORTUGUESE 4 ea US-A**  
 Pronunciation; essentials of grammar; exercises in hearing, speaking, and writing simple Portuguese, reading of graded material.

## Russian

**111 and 112 FIRST-YEAR RUSSIAN 4 ea US-A F, S**  
 Pronunciation and essentials of grammar. Emphasis placed on speaking and listening, with some reading and writing.

**115 and 116 SECOND-YEAR RUSSIAN 4 ea US-A F, S**  
*RUS 112 or two yrs HS RUS.*  
 A continuation of RUS 112 with more advanced reading, writing and speaking.



**217 RUSSIAN CIVILIZATION 3**  
**RUS 116.**

Reading of essays concerning Russian history, culture, and contemporary Soviet life.

**221 and 222 READINGS IN RUSSIAN LITERATURE 3 ea US-B**  
**RUS 116.**

Class and collateral readings of the most important Russian authors.

**231 RUSSIAN CONVERSATION AND COMPOSITION 2 F**  
**RUS 116.**

Written and oral composition; conversation designed to build vocabulary and improve pronunciation.

**285 SELECTED STUDIES IN RUSSIAN LITERATURE 3 US-B F, S**  
*May be repeated if content different.*

Intensive study of a genre, group of authors or a single major writer in Russian literature. The field of study will vary each semester.

**290 ADVANCED RUSSIAN SYNTAX 3**  
*One 200 level RUS crse, Jr or Sr standing, cons inst.*  
 Advanced treatment of Russian grammar; grammatical exercises; free and directed composition in Russian.

## Spanish

**111 and 112 FIRST-YEAR SPANISH 4 ea US-A F, S**  
*Not rec if student had two yrs HS SPA.*

Fundamentals of grammar. Practice in speaking, understanding, reading and writing Spanish.

**114 ELEMENTARY SPANISH COMPOSITION AND CONVERSATION 2 US-A F, S**  
*Not rec for adv students.*

Conversational practice with exercises in elementary composition.

**115 SECOND-YEAR SPANISH 4 US-A F, S**  
*SPA 111 and 112 or three yrs HS SPA.*

Extensive reading and discussion of modern Hispanic short stories. May be taken with SPA 116.

**116 SECOND-YEAR SPANISH 4 US-A F, S**  
*SPA 111 and 112 or three yrs HS SPA. May be reg conc with SPA 115.*

Review of Spanish grammar.

**203 SPANISH FOR THE ELEMENTARY SCHOOL 3 S**  
*SPA 116, cons dept chrpn. Clsd maj min.*

Teaching techniques for the elementary school. Resource requirement.

**211 MODERN SPANISH NOVEL 3 US-B F, S**

Class and collateral reading of representative Spanish and Spanish American novelists of the 19th centuries.

**216 MODERN SPANISH DRAMA 3 US-B F, S**

Reading and class discussion of representative Hispanic dramatists of the 19th and 20th centuries.

**217 CIVILIZACION ESPANOLA 2 US-B F, S**  
 Spanish customs and institutions in their historical perspective.

**218 CIVILIZACION HISPANOAMERICANA 2 US-B F, S**  
 Cultural life and customs of Spanish-speaking countries in the Americas.

**221 and 222 SURVEY OF SPANISH LITERATURE 3 ea US-B F, S**  
 Reading and class discussion of representative Hispanic writers of the 16th and 17th centuries, and of the 18th and 19th centuries.

**231 ADVANCED SPANISH COMPOSITION AND CONVERSATION 2 F, S**  
**SPA 116.**

Composition and conversation based on modern Spanish prose with special attention to idioms and the finer points of grammar.

**242 SURVEY OF SPANISH-AMERICAN LITERATURE 3 US-B S**  
 Introduction to the works of Spanish-American authors with emphasis on the 19th and 20th centuries.

**304 LA CIVILIZACION MEXICANA 2 F, S**  
 A study of the formation of the Mexican nation. A consideration of the development of their attitudes and traditions.

**309 SPANISH PHONETICS 3 F**  
 Learning, using and teaching correct Spanish pronunciation, stress and intonation.

**310 SPANISH SYNTAX 3 S**  
 A systematic and thorough study of the fundamental points of Spanish grammar and composition.

**320 METHODS OF TEACHING HIGH SCHOOL SPANISH 2 F, S**  
 Methods of teaching Spanish in the secondary school. Special emphasis is given to audio-lingual techniques.

**331 and 332 SPANISH-AMERICAN LITERATURE 3 ea US-B F, S**  
 From the colonial period through realism, and from modernism to the present.

**335 MEXICAN LITERATURE 2 US-B F, S**  
 A survey of Mexican literature and its literary background from its beginnings to the present.

**372 SPANISH DRAMA OF THE GOLDEN AGE 3 US-B**  
 Class and collateral reading of selected plays from the great dramatists of Spain's Golden Age.

**385 SELECTED TOPICS IN SPANISH LITERATURE 3 US-B F, S**  
*May be repeated if content different.*

Intensive study of a genre, movement, author or work. This study varies each semester.

## Geography-Geology

**Chairperson:** John E. Trotter, 406 Schroeder Hall.  
**Programs:** Identical liberal arts and teacher education majors and minors available in **Geography** and in **Geology**.

**Faculty:** Professors: Calef, Mattingly, Miller, Patterson, Schmidt, Searight, Shuman, Trotter. Associate Professor: Hart. Assistant Professors: Aspbury, DeLucia, Hanneman, Johnson, Kirchner, Neale, Nelson, Sublett, Walters. Instructors: Clere, Noonan. Lecturer: Dirks.

# Geography

## 100 INTRODUCTION TO EARTH

SCIENCE 3 US-C F, S

Spatial distributions, associations, and processes of the natural environment: Landforms, climate, soils, vegetation.

## 110 WEATHER 2 US-C F, S

Weather elements, processes, and types. Significance of these in weather observation, analysis, charting, and forecasting.

## 135 WORLD GEOGRAPHY 3 US-D F, S

Cultural regions and spatial distribution of peoples, languages, religions, economic activities and settlement patterns of the world.

## 150 ECONOMIC GEOGRAPHY 3 US-D F, S

Spatial distribution of a variety of activities related to production, exchange, and consumption of goods and services.

## 200 CLIMATE 2 US-C F, S GEO 110.

Climatic elements and controls. Classification of climates, climatic types and world climatic regions.

## 202 GEOGRAPHY OF SOILS 3 US-C S

The major soil groups: pedogenesis, characteristics, and classification. Distribution and importance of major soil groups in the world.

## 205 CONSERVATION OF NATURAL RESOURCES 3 US-D F, S

*Field trips included.*

Conservation of soil, water, forest, wildlife, mineral and recreational resources in the United States.

## 208 POLITICAL GEOGRAPHY 3 US-D S

Introduction to the field of political geography. Emphasis on spatial patterns of political activity.

## 210 HISTORICAL GEOGRAPHY 2 US-D F

Introduction to the field of historical geography with emphasis on analysis and reconstruction of past geographies.

## 215 GEOGRAPHY OF THE UNITED STATES 3 US-D F, S

Major regions of the United States in terms of contemporary physical, cultural, and natural resource patterns.

## 220 GEOGRAPHY OF ILLINOIS 2 US-D F, S

*Field trips included.*

Physical environment and patterns of human occupancy including agriculture, industry, transportation, and utilization of mineral resources.

## 225 GEOGRAPHY OF CANADA 3 US-D F

Natural regions, resources, economic activities, settlement patterns, interregional and international relations.

## 230 GEOGRAPHY OF LATIN AMERICA 3 US-D S

Regional analysis of the major political units; emphasis on physical, cultural, and economic characteristics.

## 240 GEOGRAPHY OF EUROPE 3 US-D

Europe based upon regions. Present importance and possible future of each in the light of geographic conditions.

## 245 GEOGRAPHY OF THE SOVIET UNION 3 US-D F

Physical resource patterns and their significance to industrial, agricultural land use, general economic, and political development.

## 250 GEOGRAPHY OF AFRICA 3 US-D F

Regional study of Africa. Patterns of society as related to the natural environment.

## 255 GEOGRAPHY OF ASIA 3 US-D

Countries, regions, and peoples of Asia. Selected regions, specific localities, and special problems.

## 260 GEOGRAPHY OF AUSTRALIA AND THE PACIFIC 3 US-D F

Patterns of the natural environment and man's historical, economic, and political development in Australia, New Zealand, Micronesia, Melanesia, and Polynesia.

## 300 CARTOGRAPHY AND GRAPHICS 3 F, S

Graphic representation of statistical data, including compilation and preparation of various types of maps and graphs.

## 305 AERIAL PHOTOGRAPH INTERPRETATION 3 S

Basic principles of photogrammetry and techniques and applications of aerial photograph interpretation.

## 306 REGIONAL AND AREA STUDIES 1-9 US-E

*Cons inst. Usually given cooperatively with other depts.*

Intensive study of particular lands, environments, cultures, and peoples.

## 308 QUANTITATIVE METHODS IN GEOGRAPHY 3 F

Use and interpretation of basic statistical techniques in geographical problems.

## 310 TECHNIQUES OF FIELD WORK 3 F

*Field trips required.*

Techniques of mapping and interpretation of the phenomena of the natural and cultural landscapes; original study and mapping.

## 315 METHODS AND CONCEPTS IN AMERICAN GEOGRAPHY 2 F, S

Selected professional publications, designed to acquaint the student with the development of basic concepts and methods in American Geography.

## 320 RURAL LAND USE AND AGRICULTURAL GEOGRAPHY 3

*GEO 150 or cons inst.*

Spatial aspects of agriculture: regionalization, distribution, and theories of location relating to crop and livestock production and other rural land uses.

## 325 WORLD POPULATION AND RESOURCES 3 S

*GEO 150, 205 or cons inst.*

Population growth and resource distribution and their impacts on national policy, levels of living, food supply, and educational levels.

## 330 GEOGRAPHY OF TRANSPORTATION 3 S

*GEO 150 or cons inst.*

Geographic analysis of systems of spatial interaction including influence of transportation on industrial location and regional development.



**335 INDUSTRIAL GEOGRAPHY 3 F**

*GEO 150 or cons inst.*

Factors influencing the location and structure of American manufacturing industries.

**336 URBAN GEOGRAPHY 3 F**

Internal morphology, external relationships, and other spatial aspects of cities.

**337 HISTORICAL GEOGRAPHY OF THE UNITED STATES 3 S**

Geography of the exploration and initial settlement of the United States, including development of distinctive regional patterns.

**338 CULTURAL GEOGRAPHY 3**

*GEO 135 or cons inst.*

Cultural processes whereby man, the organizer of space, leaves his imprint on the earth's surface.

**340 PROBLEMS IN CLIMATOLOGY 3**

*GEO 200 or cons inst.*

Investigation of specific problems in climatology.

**345 PROBLEMS IN CONSERVATION AND OUTDOOR RECREATION 3 US-D S**

*GEO 205 or cons inst.*

Investigation of specific problems in conservation and resource use including outdoor recreational resources.

## Geology

**175 PHYSICAL GEOLOGY 4 US-C F, S**

*Lecture and laboratory.*

Origin and types of earth materials, internal and external earth processes and development of landscapes.

**180 HISTORICAL GEOLOGY 4 US-C F**

*GEO 175 or cons inst. Lecture and laboratory; Field trip required.*

Origin and evolution of the earth as interpreted from rock sequences, fossils, and geologic maps; emphasis on geologic principles.

**185 COMMON ROCKS AND MINERALS 2 US-C F, S**

*Clstd GEO maj or if had GEO 175. Lecture and laboratory.*

Genesis, description, classification, and identification of common rocks and minerals.

**195 INTRODUCTION TO OCEANOGRAPHY 3 US-C F, S**

*Also offered as BSC 195.*

General principles of biology, chemistry, geology, and physics as applied to a study of the world's oceans.

**275 LIFE OF THE GEOLOGIC PAST 2 US-C F, S**

*Clstd maj.*

Origin, classification and evolution of life from early forms to modern types.

**280 MINERALOGY 4 F**

*GEO 175, CHE 140 or cons inst. Lecture and laboratory.*

Crystallography, internal structure, chemistry, recognition and occurrence of minerals.

**285 PETROLOGY 3 S**

*GEO 280 or cons inst. Lecture and laboratory. Field trip required.*

Description, classification and origin of igneous, sedimentary and metamorphic rocks.

**290 STRUCTURAL GEOLOGY 4 F**

*GEO 180. Lecture, laboratory and field work.*

Mechanics and processes of deformation of the earth's crust and the resulting structures.



- 295 SEDIMENTATION 3 F**  
*GEO 180 or cons inst. Lecture and laboratory. Field trip required.*  
 Origin, transportation, deposition and diagenesis of sedimentary materials.
- 296 STRATIGRAPHY 3 S**  
*GEO 295. Lecture and laboratory. Field trip required.*  
 Distribution, correlation and analysis of stratified rocks.
- 375 ECONOMIC GEOLOGY 3 S**  
*GEO 175 or cons inst.*  
 Earth materials of economic importance. Characteristics and uses of common metallic and nonmetallic minerals and rocks.
- 380 GEOMORPHOLOGY 3 S**  
*GEO 175 or cons inst.*  
 Origin, classification, description and interpretation of land forms.
- 382 GLACIAL AND QUATERNARY GEOLOGY 3 F**  
*Formerly GEO 425.*  
 Development of glaciers, glacial movements, deposits, and land forms as background for discussion of present landscapes.
- 385 INVERTEBRATE PALEONTOLOGY 4 S**  
*GEO 180 or 275 and BSC 190 or cons inst. Lecture and laboratory. Field trip required.*  
 Description, taxonomy and evolution of major-fossil invertebrate phyla; emphasis on groups with paleoecologic and stratigraphic significance.
- 391 OPTICAL MINERALOGY AND PETROGRAPHY 4 F**  
*GEO 280, 285. Lecture and laboratory.*  
 Principles and techniques of petrographic microscopy in identification, description and classification of minerals and rocks.

# Health, Physical Education and Recreation

**Chairperson:** Phebe M. Scott, 201 Horton Fieldhouse.  
**Programs:** Programs available in **Health and Physical Education, Dance and Dance Education, Recreation and Park Administration, and Health Education.**  
**Faculty:** Professors: Bass, Collie, Crafts, Dohrmann, Hall, Jones, Keough, Koehler, Mabry, McAdam, Nolte, P. Scott, Smith, Truex, Weisbecker, Workman. Associate Professors: Girardi, Greenlee, Hellweg, Higgins, Imel, Liverman, Metcalf, Miller, Quisenberry, J. Scott, Tchong, Wilson. Assistant Professors: Abshire, Chapman, Chiodo, Crews, Eichstaedt, Engberg, Harris, Henderson, Hutchison, Kauth, Loye, Metcalfe, Meyers, Morton, Pankonin, Sorrells, Steele, Stephens, Stoddard, Strand, Vanderbeck, Wang, Weith, Weller, Wennerstrom, Winterholter. Instructors: Boeh, Bremberg, Brownlee, Bunselmeyer, Caughey, Davis, Goodwin, Herman, Kief, Polacek, Thompson. Faculty Assistant: Russell.

## Physical Education

- 100 ADAPTED RECREATIONAL ACTIVITIES 1/2 US-E F, S**  
*Health Service approval required.*  
 For those not able to take other listed activity courses.

- 101 AQUATIC ART 1 US-A F**  
*HPR 129 or American Red Cross Swimmer skill level.*  
 Specialized skills in synchronized swimming strokes and aquatic stunts and figures.
- 102 AQUATIC COMPOSITION 1 US-E S**  
*Previous experience in synchronized swimming or aquatic art.*  
 Opportunity for experiences in group and individual composition in the aquatic medium with emphasis on techniques of production.
- 103 ARCHERY I 1/2 US-E F, S**
- 103.02 ARCHERY II 1/2 US-E F, S**
- 105 BADMINTON I 1/2 US-E F, S**
- 105.02 BADMINTON II 1/2 US-E F, S**
- 106 BASKETBALL I 1/2 US-E F, S**
- 106.02 BASKETBALL II 1/2 US-E F, S**
- 107 FIGURE SKATING I 1/2 US-E F, S**  
*Charge assessed to each student enrolled.*
- 107.02 FIGURE SKATING II 1/2 US-E F, S**  
*Charge assessed to each student enrolled.*
- 108 BILLIARDS I 1/2 US-E F, S**  
*Charge assessed to each student enrolled.*
- 108.02 BILLIARDS II 1/2 US-E F, S**  
*Charge assessed to each student enrolled.*
- 109 FIELD HOCKEY 1/2 US-E F**  
*Maj min only.*
- 111 BODY MECHANICS 1/2 US-E F, S**
- 112 BOWLING I 1/2 US-E F, S**  
*Charge assessed to each student enrolled.*
- 112.02 BOWLING II 1/2 US-E F, S**  
*Charge assessed to each student enrolled.*
- 113 BASIC SKILLS 1/2 US-E F, S**  
*Maj min only.*
- 115 CAMPCRAFT I 1/2 US-E F, S**
- 116 CANOEING I 1/2 US-E F, S**  
*Ability to swim in deep water.*
- 116.02 CANOEING II 1/2 US-E F, S**  
*HPR 116. Ability to swim in deep water.*
- 117 SPEEDBALL 1/2 US-E F**  
*Maj min only.*
- 118 SOFTBALL I 1/2 US-E S**  
*Maj min only.*
- 118.02 SOFTBALL II 1/2 US-E S**  
*Maj min only.*
- 119 GOLF I 1/2 US-E F, S**
- 119.02 GOLF II 1/2 US-E F, S**
- 126 BEGINNING GYMNASTICS 1/2 US-E F, S**  
*Clsd if had HPR 139.*
- 126.02 INTERMEDIATE GYMNASTICS 1/2 US-E F, S**  
*HPR 126. Clsd if had HPR 139.*
- 127 SWIMMING I 1/2 US-E F, S**  
 Instruction in adjustment skills and basic techniques of safety and swimming.



128 SWIMMING II	½	US-E	F, S	145.02 WATER POLO II	½	US-E	F, S
For advanced beginners and low intermediates.				146 RHYTHMIC GYMNASTICS	½	US-E	F, S
129 SWIMMING III	1	US-E	F, S	147 WEIGHT LIFTING	½	US-E	F, S
For deep water swimmers to develop and refine aquatic skills.				148 WRESTLING	½	US-E	F, S
130 SWIMMING IV	1	US-E	F, S	151 FOUNDATIONS IN ELEMENTARY AND SECONDARY ACTIVITIES	2		F
For the swimmer to refine basic strokes and an introduction to competitive swimming.				<i>Maj min only.</i>			
131 SENIOR LIFE SAVING	2	US-E	F, S	152 PHYSICAL EDUCATION ACTIVITIES II	2		S
<i>American Red Cross Swimmers or Advanced Swimmers skill level.</i>				<i>Maj min only.</i>			
For highly skilled swimmers to learn special skills of life saving, rescue techniques, and water safety procedures. Opportunity to earn American Red Cross Senior Life Saving certification.				153 PHYSICAL EDUCATION ACTIVITIES III	2		F
132 WATER SAFETY INSTRUCTORS COURSE	2	US-E	F, S	<i>Maj min only.</i>			
<i>Current American Red Cross Senior Life Saving Certificate.</i>				154 PHYSICAL EDUCATION ACTIVITIES IV	2		S
Analysis of techniques in and methods of teaching swimming and life saving. Opportunity for American Red Cross Water Safety Instructor certification.				<i>Maj min only.</i>			
133 SELECTED ACTIVITIES	½-1	US-E	F, S	155 MOVEMENT SKILLS	1		F
Selected beginning and/or intermediate activities offered as experimental programs.				<i>Maj min only.</i>			
134 SAILING I	½	US-E	F	Basic concepts of movement behavior. Analysis and application of principles of human movement to physical education activities.			
<i>Ability to swim in deep water.</i>				157 TEACHING OF ACTIVITIES	1		F, S
134.02 SAILING II	½	US-E	F	<i>Maj min only.</i>			
<i>HPR 134.</i>				Introduction to teaching of physical education activities. Includes laboratory experience involving observation, participation, and teaching.			
135 DIVING I	½	US-E	F, S	159 OFFICIATING	1		F, S
<i>Ability to swim in deep water, to execute a good standing dive from side of pool.</i>				<i>May be repeated. Max 4 hrs. No more than one hour may be taken in each sport area. Formerly HPR 201 and 202: SPORTS OFFICIATING I AND II.</i>			
135.02 DIVING II	½	US-E	F, S	Instruction, practice, and examination of officiating or judging techniques for the following sports: FALL SEMESTER: Men's football, women's basketball, badminton, field hockey, men's basketball and swimming; SPRING SEMESTER: Volleyball, track and field, softball, gymnastics, and tennis.			
<i>HPR 135 or demonstrated diving ability.</i>				160 FUNDAMENTALS OF MOVEMENT	1		F, S
136 VOLLEYBALL I	½	US-E	F, S	<i>C&amp;I 250 students only.</i>			
136.02 VOLLEYBALL II	½	US-E	F, S	Analysis of fundamental movements and complex skills; rhythmic elements as related to movement activities.			
137 SOCCER	½	US-E	F	180 FIRST AID	2	US-E	F, S
138 SCUBA DIVING I	½	US-E	F, S	Accident prevention and action to be taken in cases of accident and sudden illness in the home, school, and community. Students successfully completing this course will receive standard and advanced Red Cross certificates.			
<i>Charge assessed to each student enrolled.</i>				181 ANATOMY AND PHYSIOLOGY	3	US-E	F, S
138.02 SCUBA DIVING II	½	US-E	F, S	Gross structure and physiology of the human body; particular attention to the skeletal and muscular systems.			
<i>HPR 138. Charge assessed to each student enrolled.</i>				182 ANATOMY AND PHYSIOLOGY	3	US-E	F, S
139 GYMNASTICS I		US-E	F, S	Emphasis on the nervous, circulatory, respiratory and digestive systems.			
<i>Maj min only. Clsd if had HPR 126, 126.02, or 143.</i>				192 METHODS AND MATERIALS IN PHYSICAL ACTIVITIES	3		
140 FENCING I	½	US-E	F, S	Techniques of playing, teaching, and officiating team and individual sports. Planned primarily for untrained teacher in physical education.			
140.02 FENCING II	½	US-E	F, S				
141 TRACK AND FIELD	½	US-E	S				
<i>Maj min only.</i>							
142 TENNIS I	½	US-E	F, S				
142.02 TENNIS II	½	US-E	F, S				
143 TRAMPOLINE AND TUMBLING I	½	US-E	F				
<i>Clsd if had HPR 139.</i>							
143.02 TRAMPOLINE AND TUMBLING II	½	US-E	F				
<i>HPR 143.</i>							
144 RECREATIONAL GAMES	½	US-E	F, S				
145 WATER POLO I	½	US-E	F, S				

- 208 ORGANIZATION AND ADMINISTRATION OF INTRAMURAL SPORTS** 3 F  
 Philosophy of sports safety. Human and environmental factors in sport injury, legal responsibilities of teacher, safety factors in activities; accident prevention and injury control in sports.
- 209 SPORTS SAFETY** 3  
 Philosophy of sports safety. Human and environmental factors in sport injury, legal responsibilities of teacher, safety factors in activities; accident prevention and injury control in sports.
- 210 BASEBALL COACHING** 3 F, S
- 211 BASKETBALL COACHING** 3 F, S
- 212 FOOTBALL COACHING** 3 F
- 213 TRACK AND FIELD COACHING** 3 S
- 214 WRESTLING COACHING** 3 F
- 221 PHYSICAL EDUCATION FOR ELEMENTARY SCHOOLS** 3 F, S  
 Planning a program of physical education for elementary school children. Progressions within activities, techniques of organization, and methods of teaching. Observations of children and laboratory experiences in activities.
- 222 PHYSICAL EDUCATION FOR ELEMENTARY CLASSROOM TEACHER** 2 F, S  
*Clsd HPR maj min. Credit does not apply to Elementary Education Program II requirements.*  
 Factors essential to program planning in physical education grades one through six. Types and progression of activities; methods and techniques of class organization. Observations of children and laboratory experiences in activities.
- 223 PHYSICAL EDUCATION FOR UPPER GRADES** 2  
*Clsd if had HPR 222.*  
 Factors essential to program planning in physical education in grades five through eight.
- 224 MOVEMENT EXPERIENCES FOR CHILDREN** 3 S  
*HPR 221 or 222.*  
 Development of a basic movement approach to teaching elementary physical education. Problem solving as method of teaching. Skills, knowledges and concepts underlying traditional activities.
- 225 MOTOR DEVELOPMENT OF CHILDREN** 3 US-E F  
*Motor development related to anatomical growth and sensory development in the child from infancy to puberty. Mechanisms and theories of perceptual motor development, research findings, and implications for physical education.*
- 230 ADMINISTRATION OF AQUATICS** 2  
 Organization and administration of instructional, recreational, and competitive aquatic programs. Personnel selection, training, facility management.
- 235 - 236 PARTICIPATION IN TEACHING TECHNIQUES** 1 ea F, S  
*HPR 157. Maj min only.*  
 Professional laboratory experiences involving observation, participation, and teaching with elementary and high school students.
- 242 PRINCIPLES OF PHYSICAL EDUCATION** 2 F, S  
*Formerly PRINCIPLES OF HEALTH AND PHYSICAL EDUCATION.*  
 Basic biological, sociological and psychological facts and principles underlying physical education.
- 250 CONTEMPORARY ISSUES IN PHYSICAL EDUCATION AND ATHLETICS** 2 F, S  
 Current trends and issues affecting the fields of physical education and athletics.
- 280 INSTRUCTOR'S FIRST AID** 2 S  
*Advanced Red Cross First Aid Certificate.*  
 Methods and materials for teachers of first aid and accident prevention. Steps to be taken in case of accident or sudden illness in the home, school and community.
- 282 KINESIOLOGY** 3 F, S  
*HPR 181.*  
 Analysis of human motion based on anatomic and mechanical principles. Application of these principles in teaching physical education activities.
- 295 HONORS SEMINAR** 3 F, S  
*Formerly 289.05.*  
 Advanced readings and critical discussion of physical education with broad areas of concern in social, cultural, philosophical, and scientific bases.
- 304 TEACHING OF SPORTS** 3 F  
 Optimal learning in human movement: content, teacher behavior, situational conditions, analysis of sports, instructional approaches, application and research.
- 321 CURRENT TRENDS IN ELEMENTARY PHYSICAL EDUCATION** 3 S  
*HPR 221 or 222.*  
 Conceptual approach to teaching elementary physical education; integration of physical education with classroom subjects; evaluation of children's performance.
- 340 HISTORY OF PHYSICAL EDUCATION** 3 US-E S  
 Relationship, from ancient to contemporary times, of physical education to economic, political, social, educational, and religious factors.
- 341 ORGANIZATION AND ADMINISTRATION OF HEALTH AND PHYSICAL EDUCATION** 3 F, S  
 Administration and program development of health education and physical education in elementary and secondary schools and community colleges.
- 347 TESTS AND MEASUREMENTS IN PHYSICAL EDUCATION** 3 F, S  
 Analysis of motor performance, using objective tests, subjective ratings, and achievement tests. Construction and evaluation of knowledge tests. Use of statistical concepts for interpreting test scores.
- 349 APPLIED MOTOR LEARNING** 3 F  
 Perceptual-motor development and performance. Application of research, learning theories and assessment tools; maturational, perceptual and performance factors.
- 351 EXERCISE PHYSIOLOGY** 3 F  
*HPR 182.*  
 Utilization of human physiology in teaching physical education. Effects of exercise on body systems and physical efficiency tests and studies.
- 382 SENSORY MOTOR EDUCATION OF TRAINABLE MENTALLY HANDICAPPED** 3 F, S  
 Physical education activities appropriate for the trainable mentally handicapped child. Related appropriate teaching techniques are emphasized.
- 383 ADAPTED PHYSICAL EDUCATION** 2 F, S  
*HPR 282. Formerly BODY MECHANICS AND CORRECTIVE PROCEDURES.*





Methods, materials, and activities appropriate for adapted physical education programs in elementary and secondary schools.

**384 PREVENTION AND INITIAL CARE OF INJURIES 3 F**  
*HPR 182 or cons inst.*

Responsibilities, qualifications and limitations of a trainer-coach, conditioning as a preventive measure and selected injuries, taping and treatment modalities.

**385 PHYSICAL DEFECTS-SURVEY AND REHABILITATION 3 F, S**  
*HPR 282. Also offered as BSC 385. Lecture and laboratory.*

Identification and treatment of physical defects of handicapped children; special services, equipment and procedures for school programs.

**386 PHYSICAL EDUCATION AND RECREATION FOR HANDICAPPED CHILDREN 2 F**  
*HPR 383 or PSY 346 and 2-3 hrs from HPR 221, 222, 224, or 321. For teachers of HPR and exceptional children.*

Materials and methods for planning and conducting programs for handicapped children and adolescents.

**387 TREATMENT OF ATHLETIC INJURIES 3 S**  
*HPR 384 or cons inst.*

Selected prevention and care items; concentrated work on therapeutic modalities, ergogenic aids and reconditioning exercises.

## Health Education

**190 FOUNDATIONS OF HEALTH EDUCATION 3**  
*Health Education comprehensive maj min only.*

The historical and philosophical perspectives of the development of health education. A comparison of the major concepts and theories of health and characteristics

of health education programs in schools and communities.

**296 HUMAN POTENTIAL AND HEALTH EDUCATION 3**  
*8 hrs BSC and 6 hrs PSY and 6 hrs SOA. Health Education comprehensive maj min only.*

An examination of the physical, mental-emotional, and social dimensions of growing and developing, interacting, and decision-making. The interrelationships of these life processes, determinants of health, will be used to illustrate how man may further develop quality of life through health education.

## Dance

**120 SOCIAL, SQUARE, AND FOLK DANCE 1 US-A F, S**

**123 MODERN DANCE I 1 US-A F, S**

**124 MODERN DANCE II 1 US-A F, S**  
*HPR 124.*

An introduction to beginning techniques of dance composition: design, theme, dynamics, rhythm, and form.

**162 DANCE FOR THE ELEMENTARY SCHOOL 2 F, S**  
*HPR 120 or conc reg.*

Rhythmic elements, patterns, skill in teaching creative rhythmic activities for elementary school children.

**163 JAZZ DANCE I 1 US-A**  
 Foundation in jazz technique with opportunities for experimenting with composition and integrating jazz dance with music.

**164 JAZZ DANCE II 2**  
*HPR 163 or cons inst. Formerly HPR 262: DANCE FORM AND STYLE II.*  
 Styles in jazz technique.

- 165 STUDIES IN BALLET 2 US-A**  
*Cons inst. May be repeated. Max 6 hrs.*  
 Intensive training in the technique, vocabulary and style of classical dance.
- 166 STUDIES IN MODERN DANCE I 3 US-A**  
*Maj min or cons inst. May be repeated. Max 6 hrs.*  
 Introduction to the techniques and theoretical basics of modern dance.
- 167 STUDIES IN MODERN DANCE II 3 US-A**  
*Cons inst. May be repeated. Max 6 hrs.*  
 Techniques and theory of modern dance on an intermediate level.
- 169 TAP DANCE I 1 US-A**  
 Development of basic skills used in tap dancing.
- 260 MECHANICS FOR THE DANCER 2**  
*HPR 181. Cldsd teaching maj in phys educ and dance educ.*  
 The physical-psychological elements as they affect performance in dance.
- 261 DANCE COMPOSITION — THE FOLK FORMS 2**  
 Choreographic approaches to the folk, social and square forms of dance.
- 263 NOTATION I 3 F**  
*Formerly HPR 163.*  
 Fundamentals of Labanotation; the recording of step patterns and gestures.
- 264 NOTATION II 3 S**  
*HPR 263. Formerly HPR 164.*  
 Principles dealing with the recording of total body movement and group patterns.
- 265 DANCE ACCOMPANIMENT 2**  
*Formerly HPR 364: MUSICAL ANALYSIS FOR DANCE ACCOMPANIMENT.*  
 Basic principles of accompanying modern dance; selection of appropriate music for use with folk, social and theatre forms of dance.
- 266 STUDIES IN MODERN DANCE III 3**  
*Cons inst. May be repeated. Max 6 hrs.*  
 Advanced techniques of modern dance. Theories of technical systems as developed by specific major innovators in dance.
- 267 SQUARE DANCE II 2 US-A**  
*HPR 120 or cons inst. Formerly HPR 121: SQUARE AND ROUND DANCE II.*  
 Advanced techniques in American square, round, and contra dances; specialized skills for the design and presentation of these forms.
- 268 FOLK DANCE II 2 US-A**  
*HPR 120 or cons inst. Formerly HPR 122: SOCIAL AND FOLK DANCE II.*  
 Expansion of personal repertoire of folk dances of increased difficulty and challenge from a wide selection of countries and ethnic cultures.
- 269 SOCIAL DANCE II 2 US-A**  
*HPR 120 or cons inst. Formerly HPR 122: SOCIAL AND FOLK DANCE II.*  
 Development in intermediate skills and knowledges of American ballroom and social dancing.
- 360 TEACHING OF DANCE 2 F, S**  
*HPR 162.*  
 Teaching methods in modern and folk dance forms; selection, progression, and development of dance materials in the secondary school.
- 361 HISTORY AND PHILOSOPHY OF DANCE I 3 US-A F**  
*Formerly HISTORY OF DANCE I.*  
 History, philosophy, and development of dance as a social and cultural medium from primitive times through the 17th century.
- 362 HISTORY AND PHILOSOPHY OF DANCE II 3 US-A S**  
*Formerly HPR 363: HISTORY OF DANCE II.*  
 History, philosophy, and development of dance from the 18th century to the present. Approaches, styles, and contributions of leading dance personalities.
- 363 PRINCIPLES OF DANCE PRODUCTION 3 US-A S**  
*Formerly HPR 362: PRINCIPLES OF PERFORMANCE.*  
 Principles of costuming, lighting, accompaniment, and related aspects in the production of dance performances.
- 365 TEACHING OF FOLK FORMS OF DANCE 2**  
*Previous experience in the social forms of dance (social, square, folk) or cons inst.*  
 Methods of teaching folk and social dance forms in the secondary school, college, and recreational situation.
- 367 PROBLEMS OF DANCE 2 F**  
 Current problems in teaching and administration of dance curricula; supervision of recreational and performing dance groups.
- 368 DANCE COMPOSITION — EXPERIMENTAL APPROACHES 2**  
*Previous experience in modern dance. Formerly PRACTICUM IN COMPOSITION.*  
 Progressive experiences in individual and group composition; in design, rhythm and dynamics, in various approaches to choreography.
- 369 DANCE FOR CHILDREN 2**  
*HPR 162, 221 or 222.*  
 Methods and materials in traditional and creative activities; movement explorations for tumbling and gymnastics; interrelationships of dance with other arts.

## Recreation

- 171 TECHNIQUES IN SOCIAL RECREATION 2 F, S**  
 Leadership skills in social recreation, conducting activities; developing programs for various social events. Programs for organizations and professional groups in a variety of settings.
- 172 CAMP LEADERSHIP 2 S**  
 Experience in woodcraft skills, crafts, outdoor cookery, overnight trips, and other basic camp craft skills. Training for camp counselorships.
- 173 INTRODUCTION TO RECREATION 3 F, S**  
 Background, development, scope, and present status of recreation. Survey, analysis, and evaluation of resources including area, facilities, and leadership. Methods of organizing and conducting group activities.



**174 SCHOOL-COMMUNITY RECREATION 3**

Special problems in development of school and community recreation. Practical work with activities and leisure pursuits. Planning and conducting recreation.

**270 COMMUNITY SPORTS ORGANIZATION 3**

Purposes, objectives, organization and administration of team and individual sports; their role in community recreation.

**271 RECREATIONAL LEADERSHIP 2 F, S**

Theories, principles, practices and dynamics of leadership and their relationship to techniques and methods of working with individuals and groups in recreation settings.

**370 RECREATION FOR SPECIAL POPULATIONS 3 F, S**

Materials for leadership techniques for conducting recreation for special groups, including mental and physically handicapped, aged, juvenile delinquents, armed forces, prisons, and hospitals.

**372 CAMP EXPERIENCE WITH PHYSICALLY HANDICAPPED 3 SUMMER**

*Cons chrpn SED and chrpn HPR. May be repeated.*  
Counseling experience in a summer camp for physically handicapped children. Conferences on planning of daily activities, equipment and general program.

**373 WORKSHOP IN RECREATION AND CAMPING 3 SUMMER**

Preparation of materials in crafts, music, storytelling, dramatics, games and sports, with cooperative work among various departments and organizations.

**374 OUTDOOR RECREATION — EDUCATION 3**

Recreational use of parks and forests. Principles and policies underlying school-related programs and materials in outdoor education.

# History

**Chairperson:** Mark A. Plummer, 334 Schroeder Hall.

**Programs:** Identical liberal arts and teacher education major and minor in **History**. Also, interdisciplinary comprehensive major in **Social Sciences** available combining work in Economics, History, Political Science, and Sociology.

**Faculty:** Professors: Champagne, Grabill, Helgeson, Homan, Kohlmeyer, Plummer, Reitan, Sands, Schapsmeier, Simms. Associate Professors: Cohen, Davis, Gray, Holsinger, Holt, Sessions, Walker. Assistant Professors: Astolfi, Austensen, Blayney, G. Cunningham, R. Cunningham, Ekberg, Freed, Haddad, Hoyt, D. MacDonald, Rayfield, Toy, Wray, Wyman. Instructors: Harmon, S. MacDonald. Lecturer: Bridges. Faculty Assistant: Poe.

**121 HISTORY OF WESTERN CIVILIZATION TO 1300 3 US-B F, S**

Primitive man; the ancient cultures; the civilizations of Greece and Rome; the Middle Ages.

**123 HISTORY OF MODERN EUROPE I: 1300-1815 3 US-B F, S**

Survey of the development of modern European civilization, from the period of its formation through the French Revolution and Napoleonic Era.

**124 HISTORY OF MODERN EUROPE II: 1815-PRESENT 3 US-B F, S**

A survey of modern European developments from the Congress of Vienna to the present.

**125 HISTORY OF ASIAN CIVILIZATIONS 3 US-B F, S**

An introduction to the major traditions of India, Southeast Asia, China and Japan; emphasis on continuity and change in modern Asia.

**126 HISTORY OF THE MIDDLE EAST AND AFRICA 3 US-B F, S**

A political, cultural, social, and economic study, with an emphasis on ancient cultures and the emergence of nation-states.

**135 HISTORY OF THE UNITED STATES TO 1865 3 US-D F, S**

*Clsd if had HIS 137.*  
Political, economic, social, and cultural developments from the colonial period to the Civil War.

**136 HISTORY OF THE UNITED STATES SINCE 1865 3 US-D F, S**

*Clsd if had HIS 137.*  
Agrarian and industrial revolutions, development of American institutions, and America as a world power.

**137 THE AMERICAN EXPERIENCE 3 US-D F, S**

*Clsd if had HIS 135 or 136. Primarily for University Studies.*

A one-semester course in American History emphasizing a theme of special interest. The theme may vary with each semester or instructor.

**220 ANCIENT HISTORY: GREECE 3 US-B F**

Political and cultural evolution of the Greek World from preclassical times to the Hellenistic Age.

**221 ANCIENT HISTORY: ROME 3 US-B S**

The Roman republic and empire with emphasis on the constitutional evolution of Rome.

**222 THE MIDDLE AGES I: 395-1100 3 US-B F**

Study of the disintegration of ancient civilization and the gradual emergence of three successor civilizations: Byzantium, the Moslem World, and Western Europe.

**223 THE MIDDLE AGES II: 1100-1500 3 US-B S**

An examination of the climax and decline of medieval civilization.

**224 THE RENAISSANCE: EUROPE: 1300-1500 3 US-B F**

Political, economic, social, intellectual, cultural transition to early modern Europe; spread of Renaissance from origins in Italy; exploration and discovery.

**225 THE REFORMATION: EUROPE: 1500-1600 3 US-B S**

Protestant and Catholic reformations in the setting of 16th century politics, economics, society; intellectual and cultural currents; European expansion.

**226 THE OLD REGIME: EUROPE: 1600-1789 3 US-B S**

History of Europe during the 17th and 18th centuries; emphasis upon politics, science, philosophy, culture and the arts.

- 228 EUROPE IN THE NINETEENTH CENTURY: 1815-1914 3 US-B F**  
 Liberalism, nationalism, democracy, militarism, imperialism, and the forces that led to World War I.
- 229 EUROPE IN THE TWENTIETH CENTURY 3 US-B F, S**  
 The origins of the World Wars, Marxism-Leninism, Nazi and Soviet totalitarianism, and the role of Europe in the Cold War.
- 231 ENGLISH HISTORY I: TO 1689 3 US-B F**  
 Survey of English history from the medieval period to 1689, with emphasis upon the Tudor and Stuart periods.
- 232 ENGLISH HISTORY II: SINCE 1689 3 US-B S**  
 Survey of English history from 1689 to the present, with emphasis upon political, constitutional, and imperial developments.
- 233 HISTORY OF RUSSIA I: TO 1725 3 US-B F**  
 Russian history from earliest times to the 18th century, including political, social, economic, and intellectual developments.
- 234 HISTORY OF RUSSIA II: SINCE 1725 3 US-B S**  
 Russian political, social, economic, and intellectual developments; the Russian Revolution; Russia in the 20th century.
- 235 FRENCH HISTORY I: TO 1789 3 US-B F**  
 French history from the Middle Ages to the French Revolution with emphasis upon French culture, including social, intellectual and artistic movements.
- 236 FRENCH HISTORY II: 1789-PRESENT 3 US-B S**  
 Survey of the major political, economic, and cultural developments in France from the Napoleonic era to the present.
- 237 MODERN GERMANY: 1848-PRESENT 3 US-B S**  
 A survey of German social, political, diplomatic, and intellectual history in the 19th and 20th centuries.
- 239 EUROPEAN ECONOMIC HISTORY 3 US-B S**  
 Emphasis on institutions and economic activity over time, from land tenure to trade, in changing political and technological environments.
- 241 COLONIAL LIFE AND INSTITUTIONS 3 US-B F**  
 Transfer of European ideas, institutions, and customs to America, and their subsequent development on American soil.
- 243 BUILDING THE NATION: 1787-1815 3 US-B F, S**  
 Emphasis upon the establishment of a national government; the principles and influence of early federalism and of Jeffersonian democracy.
- 244 THE AGE OF JACKSON: 1815-1848 3 US-B F**  
 The awakening of American nationalism as typified by the economic, political, social and cultural changes of the Jacksonian period.
- 246 CIVIL WAR AND RECONSTRUCTION: 1848-1877 3 US-B F**  
 Causes and process of secession; problems of the Lincoln and Davis administrations, conduct of the war, and the problems of reconstruction.
- 247 THE GILDED AGE IN AMERICA: 1877-1900 3 US-B F**  
 Industrialization and responses to industrialism in America; special attention given to business and political leaders, farmers, Negroes, and writers.
- 248 UNITED STATES AND THE TWENTIETH CENTURY I 3 US-B F, S**  
 An examination of significant aspects of American history from the Populist era to the Great Depression of 1932.
- 249 UNITED STATES AND THE TWENTIETH CENTURY II 3 US-B F, S**  
 An examination of significant aspects of American history from the 1930's to contemporary times.
- 250 HISTORY OF WOMEN IN AMERICA 3 US-B F, S**  
 The role of women in the economic, social, political, and cultural history of America from the colonial period to the present.
- 251 HISTORY OF AMERICAN DIPLOMACY I: TO 1898 US-B F**  
 The history of the foreign relations of the United States from the revolution to 1898.
- 252 HISTORY OF AMERICAN DIPLOMACY II: SINCE 1898 3 US-B S**  
 The history of the foreign relations of the United States since 1898.
- 253 CONSTITUTIONAL HISTORY OF THE UNITED STATES I: TO 1865 3 US-B**  
 The history of American Constitutional development, from European backgrounds to Reconstruction.
- 254 CONSTITUTIONAL HISTORY OF THE UNITED STATES II: SINCE 1865 3 US-B S**  
 The history of American Constitutional development, from Reconstruction to the present.
- 255 HISTORY OF THE AMERICAN FRONTIER 3 US-B F, S**  
 Westward movement and the influence of the frontier on American life and institutions.
- 256 AMERICAN BUSINESS HISTORY 3 US-B F**  
 Industrialization of America; the problems of agriculture, monopoly, and labor; the role of government in regulating and guiding economic activity.
- 257 AFRO-AMERICAN HISTORY I 3 US-B F**  
 The history of Black Americans from Colonial times to the Civil war.
- 258 AFRO-AMERICAN HISTORY II 3 US-B S**  
 The history of Black Americans from the Reconstruction period to the present.
- 259 HISTORY OF ILLINOIS 3 US-B S**  
 A survey of the history of Illinois from the time of the French explorers to the present.



**260 HISTORY OF CANADA**  
**SINCE 1763 3 US-B F**

Modern Canada since 1763, with emphasis on political, social, and economic developments.

**261 HISTORY OF LATIN AMERICA I:**  
**TO 1810 3 US-B F**

Survey of Latin American History from the discovery to the disruption of the Spanish American empire in 1808-10.

**262 HISTORY OF LATIN AMERICA II:**  
**SINCE 1810 3 US-B S**

Survey of the 19th and 20th centuries; common characteristics as well as unique aspects of each country.

**271 HISTORY OF THE MIDDLE EAST I:**  
**TO 1800 3 US-B F**

Political, social, economic survey of the Middle East from Muhammad to the 19th century, emphasizing origins and achievements of the Islamic age.

**272 HISTORY OF THE MIDDLE EAST II:**  
**SINCE 1800 US-B S**

Political, social, economic survey of the Middle East from the 19th century to the present, emphasizing the rise of the modern nation-states.

**273 HISTORY OF EAST ASIA 3 US-B S**

Peoples and problems of the Orient with reference to their internal development and the part they play in world politics.

**295 HONORS SEMINAR IN HISTORY 3 US-B**  
*Honors students or cons inst.*

An undergraduate seminar for honors students in history. Content will vary at the discretion of the instructor.

**296 HISTORIOGRAPHY AND HISTORICAL METHOD 3 US-B F**  
*Honors students.*

Explores the character and discipline of history through the study of representative historians.

**298 HONORS THESIS 3 US-B F, S**  
*Honors students or cons inst.*

Directed by a faculty member competent in the thesis field. Topic shall be approved before registration by the History Department.

**306 REGIONAL AND AREA STUDIES 3-9 US-E**  
*Cons inst. Usually given cooperatively with other depts.*

Intensive study of particular lands, environments, cultures, and peoples.

**310 SEVENTEENTH CENTURY AMERICA 3 US-B**

Establishment and development of the American Colonies from Jamestown to the end of the 17th century. Special emphasis is given to Puritan New England.

**311 AGE OF THE AMERICAN REVOLUTION 3 US-B F**

The emergence of the United States as an independent nation from 1763 to the Constitutional Convention in 1787.

**317 AMERICAN CULTURAL EXPANSION AND DIPLOMACY 3 US-B**

Worldwide expansion of American diplomatic, economic, cultural and religious influence in the 19th and 20th centuries.

**320 LINCOLN: THE MAN AND HIS TIMES 3 US-B**

Attention directed especially toward the work of Lincoln in Illinois, his leadership during the Civil War, and his relationships with men and events of his time.

**321 GREAT FIGURES OF AMERICAN HISTORY 3 US-B**

Personalities selected from American history with emphasis on the contributions and lasting influence of significant individuals.

**322 AMERICAN URBAN HISTORY 3 US-B F**

Survey of the history of the American city from 1820 to the present.

**323 AMERICAN CULTURAL AND INTELLECTUAL HISTORY I 3 US-B**

American progress in the fine arts, philosophy, literature and science from Puritan times to 1860.

**324 AMERICAN CULTURAL AND INTELLECTUAL HISTORY II 3 US-B S**

The impact of naturalism, industrialization, secularization, and urbanization upon American culture since 1860.

**325 PROBLEMS IN TWENTIETH CENTURY UNITED STATES CONSTITUTIONAL HISTORY 3 US-B**

An examination of major problems in American constitutional history since the Progressive Era; civil rights, freedom of speech and religion, federal-state relations.

**326 CASES IN BUSINESS HISTORY 3 US-B**

Study of mergers, business ethics, innovations, relations with labor and government, marketing, and financing, based on the historical experience of individual companies and business leaders.

**327 AMERICAN LABOR HISTORY 3 US-B S**

The Industrial Revolution's impact upon workers, with emphasis on the responses through unions and politics, and on the role of government.

**341 EUROPEAN INTELLECTUAL HISTORY TO 1600 3 US-B F**

The study of the ideas of the ancient world, Middle Ages, Renaissance, Reformation, examined in a social, political and economic context.

**342 EUROPEAN INTELLECTUAL HISTORY SINCE 1600 3 US-B S**

A study of the ideas of the scientific revolution, enlightenment, 19th century, and 20th century, examined in a social, political, and economic context.

**343 MODERN EUROPEAN DIPLOMATIC HISTORY I: 1789-1890 3 US-B**

The diplomatic history of Europe from the French Revolution to the fall of Bismarck.

- 344 MODERN EUROPEAN DIPLOMATIC HISTORY II: 1890 TO PRESENT** 3 US-B S  
The diplomatic history of Europe from the fall of Bismarck in 1890 to the present.
- 345 FRENCH REVOLUTION AND NAPOLEONIC ERA: 1789-1815** 3 US-B F  
Society, culture and government under the monarchy; destruction of the old order; rise and fall of Napoleonic France; struggle for world power.
- 352 THE HELLENISTIC WORLD** 3 US-B  
A comprehensive study of the world bequeathed by Alexander the Great from his death in 323 B.C. to the founding of the Roman Empire.
- 360 TUDOR-STUART ENGLAND: 1485-1689** 3 US-B F  
General survey of English history from the beginning of the Tudor dynasty to the Revolution of 1688-89.
- 361 EIGHTEENTH-CENTURY BRITAIN: 1689-1815** 3 US-B  
Britain from the Revolution of 1688-89 through the early Industrial Revolution and Napoleonic wars.
- 362 MODERN BRITAIN: 1815 TO THE PRESENT** 3 US-B  
A general survey of British history in the 19th and 20th centuries.
- 365 NAZI GERMANY: 1933-1945** 3 US-B S  
The origins and nature of Nazi totalitarianism.
- 366 SOVIET RUSSIA: 1917 TO THE PRESENT** 3 US-B  
An evaluation of the origins and rise of Bolshevik power, concentrating on economic, cultural and social developments leading to great power status.
- 371 MODERN LATIN AMERICA** 3 US-B  
The history of the Latin American countries in the last 100 years with emphasis on the 20th century.
- 373 HISTORY OF MODERN CHINA** 3 US-B  
Concentrates on the Western and Chinese collision since the 1800's and the responses of traditional, national, and contemporary China to modernization.
- 375 HISTORY OF MODERN JAPAN** 3 US-B  
Concentrates on Japan's modernization, goals of Meiji leaders, contradictory tendencies of pre-war Japan, and contemporary Japan.
- 390 SOCIAL STUDIES TEACHING METHODOLOGY** 3 F, S  
*Designed for prospective history/social science teachers.*  
Includes examination of social studies project materials and ways of utilizing instructional models.

**Home Economics** and in **Home Economics Education** providing opportunity for specialization in several areas. Comprehensive major in **Industrial Technology** and **Industrial Technology Education**. Major and minor in **Industrial Technology** and in **Industrial Technology Education** which provide sequences in either Technology of Industry or Accident Prevention and Traffic Safety. **Faculty:** Professors: Blomgren, Johnston, Kagy, Karch, Porter, Talkington. Associate Professors: Anderson, Bell, Erisman, Hackett, Herberts, James, Loepp, McCarthy, Quane, Smith, Weede, Wiseman, Zook. Assistant Professors: Beno, Betts, Bremer, Carr, Dorner, Dowdall, Francis, Hayden, Jett, Kern, Miller, Paulson, Pendleton, Upton, Young. Instructors: Asper, Bernardi, Budig, Cantrell, Carter, Fox, Huntman, C. Johnson, Lane, Lynch, Martin, Metcalf, Olson, Ruby, Tarter, Wahls, Weedon. Faculty Assistants: Axton, Chatron. Executive Assistant: Quensel. Faculty Associate: A. Johnson.

## Home Economics

- 106 NUTRITION** 2 US-E F, S  
*Materials charge.*  
Functions, sources, and recommended amounts of nutrients for various age groups.
- 110 INTRODUCTION TO HOME ECONOMICS** 1 F  
*Materials charge.*  
Development of Home Economics; contributions of field; satisfactions derived from various areas; career opportunities.
- 111 MEAL PLANNING** 3 F, S  
*HEC 106 or conc reg. Materials charge.*  
Planning, preparation, and service of breakfasts, luncheons, and entertainment menus. Food preservation.
- 120 INTRODUCTION TO TEXTILES** 2 F, S  
*Materials charge.*  
Consumer approach to judgment of textile products; differentiation of fibers, fabrication, finishes, standardization, and labels.
- 121 BEGINNING CLOTHING** 3 F, S  
*Materials charge.*  
Selection of fabrics and patterns; principles of construction and fitting.
- 122 CLOTHING CONSTRUCTION I** 3 F, S  
*HEC 195. Formerly: CLOTHING. Clothing construction experience. Materials charge.*  
Techniques of garment construction. Elementary fitting of basic dress and/or shirt. One or two garments completed.
- 123 COSTUME DESIGN** 2 S  
*HEC 195 and ART 111, or ART 103. Materials charge.*  
Principles of art applied to apparel design.
- 130 THE CHILD** 3 F, S  
*Materials charge.*  
Prenatal care; physical, mental, emotional, and social behavior of young children.
- 131 COURTSHIP AND MARRIAGE** 3 US-E F, S  
*Materials charge.*  
Dynamics of dating, courtship, mate selection, preparation for marriage; adjustments in early stages of marriage.
- 132 HOME MANAGEMENT IN CONTEMPORARY LIFE** 3 US-E F, S  
*Materials charge.*  
Principles, decision-making processes of using money,

# Home Economics and Industrial Technology

**Chairperson:** Joe E. Talkington, 211 Turner Hall.  
**Programs:** Comprehensive major, major, and minor in



time, energy to meet individual and family needs.

**194 CONTEMPORARY PERSONAL AND FAMILY LIVING 4 F, S**  
*Materials charge.*

Pragmatic overview of contemporary living styles, mate selection, marriage, family living and child development.

**195 TEXTILES AND APPAREL 4 F, S**  
*Materials charge.*

Factors related to personal satisfaction in selection and use of apparel; exploration of textile fibers and fabrication.

**196 NUTRITION WITH FOOD PREPARATION 4 F, S**  
*Materials charge.*

Knowledge and skills associated with meeting nutritional needs of individuals and families through food preparation.

**211 NUTRITION AND DIETETICS 2 F, S**  
*HEC 106. Materials charge.*

Nutritional needs applied to diet. Planning, adjusting, preparing diets for special health conditions. Presenting nutrition education to groups.

**212 FAMILY HEALTH AND HOME NURSING 2**  
*Materials charge.*

Relation of individual health and family well-being. Prevention of illness and accidents. Home care of ill and convalescent.

**213 MEAL PLANNING 3 F, S**  
*HEC 111. Formerly HEC 113. Materials charge.*

Meal planning based on criteria of nutritive requirements, marketing challenges, and utilization of resources. Preparation and service of family dinners.

**220 CLOTHING CONSTRUCTION II 3 F, S**  
*HEC 122. Formerly: CLOTHING. Materials charge.*

Advanced garment construction study. Experience working with various fabrics, garment styles and fitting variations.

**221 TAILORING 3 F**  
*HEC 220. Materials charge.*

Suit and coat construction using recognized tailoring techniques.

**231 FAMILY RELATIONSHIPS 2 F, S**  
*Materials charge.*

Dynamics of husband-wife-child interaction. Structure and functioning of family services.

**237 SLIPCOVERS AND DRAPERIES 2**  
*Sewing proficiency. Students furnish materials for projects. Materials charge.*

Application of art principles to interior design through selection and construction of draperies and slipcovers.

**238 HOUSING AND HOME FURNISHING 3 F, S**  
*Materials charge.*

Community planning, home financing, modern methods and materials. The home with reference to efficiency, beauty, comfort, and economy.

**240 HOUSEHOLD EQUIPMENT 2 F, S**  
*Materials charge.*

Principles of selection, operation, care, and arrangement of equipment in the home.

**244 PHILOSOPHY AND ORGANIZATION OF VOCATIONAL HOME ECONOMICS 3 F, S**  
*Materials charge.*

Making decisions about curriculum and teaching. Observations in variety of programs.

**245 HOME ECONOMICS ADULT EDUCATION 2**  
*Materials charge.*

Organization and methods used in adult programs. Trends in home economics applied to adult education.

**250 CHILD DEVELOPMENT AND GUIDANCE 2 F, S**  
*Materials charge.*

Research contributing to understanding and guiding of child behavior. Involvement in nursery school of child care situation.

**297 CONSUMER MANAGEMENT 4 F, S**  
*Materials charge.*

Management through decision-making processes to achieve optimum utilization of time, energy, money and consumer knowledge.

**298 HOUSING AND EQUIPMENT 4 F, S**  
*Materials charge.*

Fundamental decisions in: the choice of dwelling; and the selection, use and care of household equipment.

**301 EVALUATION IN HOME ECONOMICS 2 F**  
*Materials charge.*

Evaluation and basic principles involved; methods and techniques; individual problems.

**304 CURRICULUM DEVELOPMENT IN HOME ECONOMICS 3**  
*Materials charge.*

Organization, methods, materials, and evaluation in relation to type of program and age level. Individual or group problems.

**306 EMPLOYMENT PROGRAMS IN HOME ECONOMICS 3 F, S**  
*Materials charge.*

Organization, administration, and operation of home economics gainful employment programs in public schools.

**307 THE INFANT AND TODDLER 3 S**  
*PSY 111 and HEC 130 or cons inst. Materials charge.*

Growth and behavior of young child as related to family and other factors.

**308 ORGANIZATION AND ADMINISTRATION OF EARLY CHILDHOOD PROGRAMS 3 F**  
*HEC 130 and 250 or cons inst. Materials charge.*

The nursery school and other educational and care units responsible for the guidance of the young child.

**313 FOOD CUSTOMS 2 S**  
*Materials charge.*

Influence of food customs of various ethnic groups on American meal patterns.

**316 FOOD INVESTIGATIONS 3 F**  
*HEC 213. Materials charge.*

Experimental approach to principles underlying food preparation.

**320 DEMONSTRATION TECHNIQUES 2 F, S**  
*HEC 213, 220. Materials charge.*

Techniques and standards for demonstrations in various areas of home economics.

**322 PROBLEMS IN CLOTHING 3 F**

*HEC 122 and cons inst. Materials charge.*

Study of problems in field of clothing, and pattern making.

**323 ADVANCED TEXTILES 2 S**

*HEC 120. Materials charge.*

Developments in the textile field, particularly man-made fibers and their products. Significance of the textile market for consumers.

**324 DRAPING AND DESIGN 3 S**

*HEC 220 and cons inst. Formerly: ADVANCED COSTUME DESIGN AND DRAPING. Materials charge.*

Interpretation of garment designs in fabric by means of the draping procedure. Body form may be constructed.

**330 DECISION-MAKING FOR CONSUMERS 3 US-E**

*Also offered as BED 330. Materials charge.*

Survey of consumer problems, trends and information. Topics include: insurance, housing, credit, life style, consumer protection, leisure and achieving financial security.

## Industrial Technology

**108 INDUSTRIAL DESIGN 2**

*Materials charge.*

Principles of design and systems of designing as applied to industrial and environic design problems.

**127 CRAFTS 3 F, S**

*Crafts activities plus laboratory. Materials charge.*

Experiences with materials such as leather and plastics.

**128 INDUSTRIAL ARTS FOR ELEMENTARY TEACHERS 4 S**

*C&I or SED maj only. Materials charge.*

Constructional activities and techniques designed to teach use of basic tools and materials appropriate for the elementary school.

**153 PUBLICATION PRODUCTION 3 S**  
*Materials charge.*

Graphic arts processes used in journalism to produce a variety of publications.

**163 AUTOMOTIVE FUNDAMENTALS 2**

*Closed maj min. Materials charge.*

Theory and laboratory experiences in maintenance and repair of automobile components; emphasis on preventative maintenance.

**171 PRINCIPLES OF ACCIDENT PREVENTION 3 F, S**

*Materials charge.*

Overview of the broad accident problem and underlying factors and theories of accident causation and prevention.

**172 HIGHWAY DRIVING TRANSPORTATION SYSTEM TASK ANALYSIS 3 F, S**

*IT 171 or cons inst. Laboratory arranged. Materials charge.*

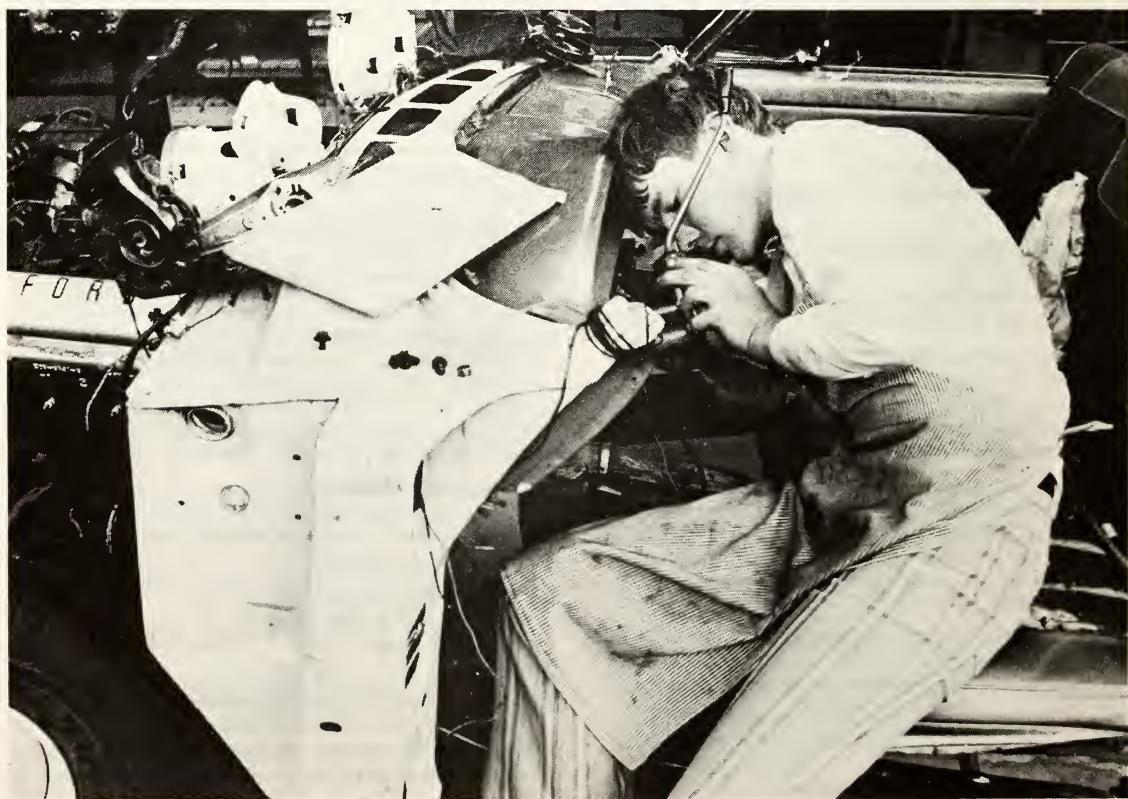
Physical, mental requirements necessary for safe drivers. Laboratory experience devoted to improvement of student's driving ability.

**190 GRAPHIC COMMUNICATION 4 F, S**  
*Materials charge.*

Process and technology of transmitting, storing and using ideas or knowledge in visible graphic form.

**191 ENERGY AND POWER 4 F, S**  
*Materials charge.*

Operating principles of electricity, electronics, heat engines and fluid power related to energy conversion,





transmission, and utilization.

**192 INDUSTRIAL MATERIALS AND PROCESSES 4 F, S**  
*Materials charge.*

Nature and properties of industrial materials and influence on manufacturing techniques.

**200 GENERAL SHOP 4 F, S**  
*IT 190, 191, 192. Materials charge.*

Organization, operation and methods of teaching multiple activities of industrial arts comprehensive general shop.

**201 PROBLEMS IN INDUSTRIAL EDUCATION 2**  
*11 hrs of IT. Materials charge.*

Problems that confront the teacher of industrial education in organization and management of school shop.

**210 TECHNICAL DRAFTING 4 F, S**  
*IT 190 or cons inst. Materials charge.*

Graphic tools, techniques, and processes; automated drafting, drafting machines, and reprographic equipment used in development and representation of industrial products.

**211 ARCHITECTURAL DRAFTING 4 F, S**  
*IT 190 or cons inst. Materials charge.*

Problem approach to architecture; emphasis on residential planning and construction. Laboratory devoted to development of working drawings.

**212 MACHINE DESIGN 3 F**  
*IT 210. Materials charge.*

Theoretical principles and conventional practices used in the design of machines and machine elements.

**213 DEVELOPMENTAL DESCRIPTIVE GRAPHICS 4 F, S**  
*IT 210. Formerly DEVELOPMENTAL DESCRIPTIVE GEOMETRY. Materials charge.*

Specialized drafting methods used in revolutions and developments. Graphical solutions to mathematical and structural problems.

**220 WOOD TECHNOLOGY 4 F, S**  
*IT 192 or cons inst. Materials charge.*

Practices of woodworking industries. Properties of wood materials, bench woodworking, carpentry, pattern-making, lamination and machine processes.

**221 CONSTRUCTION TECHNOLOGY 4 F, S**  
*IT 220 or cons inst. Materials charge.*

Principles and practices of construction. Materials and methods used to build and enclose sub- and super-structures. Utility systems.

**223 PRODUCTION WOODWORKING 4 S**  
*IT 220 or cons inst. Materials charge.*

Surveys management and production technologies used in quantity manufacture of wood and related products; production woodworking equipment.

**224 INDUSTRIAL FINISHING 3 F, S**  
*Materials charge.*

Coating and processes used in finishing wood, metal, plastic, other industrial materials. Application and testing of industrial finishes.

**225 REINFORCED PLASTICS 4 F, S**  
*IT 192. Materials charge.*

Theory, practical application of fiber glass, plastic resins, other materials in hand layup, sprayup, filament winding; other common industrial techniques.

**226 CABINET AND FURNITURE PRODUCTION 4 F**

*IT 220 or cons inst. Materials charge.*

Advanced theory and practice in machine setup, operation and maintenance; product design, standards and construction; specialized processes.

**230 GENERAL METAL WORK 4 F, S**  
*Materials charge.*

Basic theory and practice in hot and cold metal-working processes; sheet metal, bench metal, metal casting, oxyacetylene and electric welding.

**232 WELDING TECHNOLOGY 4 F, S**  
*IT 230. Materials charge.*

Advanced theory and practice in modern welding processes: (TIG) tungsten inert gas, (MIG) metallic inert gas, other electric welding processes.

**233 MACHINE TOOL TECHNOLOGY I 4 F, S**  
*Materials charge.*

Basic machine tool theory and practice; saws, drilling machines, lathes, shapers, milling machines, surface grinders, metrology, heat treatment.

**235 MACHINE TOOL TECHNOLOGY II 4 F**  
*IT 233. Materials charge.*

Theory computations, setups for precision machining; turning operations, cylindrical grinding, surface grinding, milling operations, indexing, gear cutting.

**240 ELECTRICAL TECHNOLOGY 4 F, S**  
*IT 191 or cons inst. Materials charge.*

Analysis of electrical and magnetic circuits.

**241 ELECTRICAL MACHINERY 3 F**  
*IT 240. Materials charge.*

Operation, characteristics and applications of electric motors and generators.

**242 APPLIED ELECTRONICS 4 F, S**  
*IT 240 or PHY 109 or PHY 111. Materials charge.*

Operation, characteristics and applications of electron tubes.

**244 SEMICONDUCTOR ELECTRONICS 3 F, S**  
*IT 240 or PHY 109 or PHY 111. Materials charge.*

Operation, characteristics and applications of solid-state diodes and transistors.

**246 COMMUNICATIONS ELECTRONICS 4 S**  
*IT 242 or 244. Materials charge.*

Operation and characteristics of electronic circuits and devices employed in communication systems.

**248 INSTRUMENTATION 4**  
*IT 242 or 244. Materials charge.*

Operation, characteristics, calibration, and maintenance of selected electrical and electronic instruments.

**250 THE GRAPHIC ARTS PROCESSES 4 F, S**  
*Materials charge.*

Theory and practice in basic relief, lithography, screen process, intaglio, photography and many support technologies.

**251 GRAPHICS ARTS TECHNOLOGY 4 F, S**  
*IT 250 or cons inst. Materials charge.*

Idea visualization, copy preparation, continuous tone copy, process photography, negative assembly, image carriers, ink transfer and finishing operations.

**253 PHOTOMECHANICAL PROCESSES 3 F**  
*IT 250 or cons inst. Formerly LAYOUT-DESIGN: APPLICATION TO GRAPHIC REPRODUCTION. Materials charge.*

Planning, layout, design of printed pieces; paste-up; line and halftone photography.

**254 CONTINUOUS TONE COPY PREPARATION 3 F**  
*Materials charge.*

Preparation of continuous tone copy for graphic reproduction.

**261 AUTOMOTIVE POWER PLANTS 4 F, S**  
*IT 191. Materials, charge.*

Theory and laboratory experiences in function, maintenance and adjustment of systems and components of automotive type engines.

**262 AUTOMOTIVE ELECTRICAL SYSTEMS 3 F, S**  
*IT 191. Materials charge.*

Operating principles, applications, diagnosis and repair of automotive electrical systems and components.

**263 FLUID POWER MECHANICS 3 F, S**  
*IT 191 or cons inst. Materials charge.*

Operating principles and applications of hydraulic, pneumatic and fluidic components and systems.

**264 AUTOMOTIVE SUSPENSION, STEERING AND BRAKE SYSTEMS 3 S**  
*IT 191. Materials charge.*

Theory, repair, alignment or adjustment of frames, stabilizing devices, drive lines, rear axles, steering mechanisms and brakes.

**265 AUTOMOTIVE AND MOBILE FLUID POWER SYSTEMS 4 F, S**  
*IT 191, 263. Materials charge.*

Operating principles, diagnosis and adjustment of automatic transmissions, hydrostatic drives, power steering, power brakes, accessories.

**266 INDUSTRIAL AND UTILITY ENGINES 4 S**  
*IT 191. Materials charge.*

Theory and laboratory experiences in function, applications and maintenance of utility, outboard, industrial and diesel engines.

**273 ADVANCED TRAFFIC EDUCATION 3 F, S**  
*IT 172. Laboratory experiences: operating driving range, BTW lessons. Lab will be arranged. Materials charge.*

Instruction, administration, organization and evaluation of multiple-car and on-street programs.

**300 CONTEMPORARY INDUSTRIAL EDUCATION 2**  
*Materials charge.*

Prominent leaders and analysis of trends in industrial education.

**301 INDUSTRIAL ARTS IN THE ELEMENTARY SCHOOL 2**  
*Materials charge.*

Educational principles underlying industrial arts and their application in the elementary activity program.

**302 EVALUATION TECHNIQUES IN THE PRACTICAL ARTS AND OCCUPATIONAL EDUCATION 3 F**  
*Materials charge.*

Historical background of measurement; examination of

objectives and methods; evaluation of student abilities and growth; evaluation of facilities and equipment.

**303 CONSTRUCTION TECHNOLOGY CURRICULUM (IACP) 4 F, S**

The rationale for and the teaching and implementation of construction technology in secondary school, industrial education programs.

**304 OCCUPATIONAL AND JOB ANALYSIS 3**  
*Materials charge.*

Techniques and procedures for analyzing occupations and jobs for instructional purposes.

**305 IMPROVEMENT OF INSTRUCTION IN THE PRACTICAL ARTS AND OCCUPATIONAL EDUCATION 3**  
*Materials charge.*

Objectives, content, and techniques for improving teaching.

**306 PART-TIME COOPERATIVE EDUCATION 3 F, S**  
*Materials charge.*

Procedures involved in organizing and operating effective programs of cooperative vocational education.

**307 EMPLOYMENT ANALYSIS FOR THE EXCEPTIONAL 3 F, S**  
*Also offered as SED 307. Materials charge.*

Diagnosis and instruction of exceptional children who are placed in occupational education. Synthesizing employment and education for exceptional children.

**308 MAN AND TECHNOLOGY 3 US-E F, S**  
The course is designed to introduce to the student the concept of technology with emphasis on industrial technology, its growth magnitude and its effect on mankind and his basic institutions. Consideration is given to the chronology of technology, technology's effect on the world of work, contemporary technological problems and issues, and technology and the future.

**309 MANUFACTURING TECHNOLOGY CURRICULUM (IACP) 4 F, S**

The rationale for and the teaching and implementation of manufacturing technology in secondary schools, industrial education programs.

**319 COMPUTER GRAPHICS 3 F, S**  
*Materials charge.*

Combination of graphic techniques and computer programming as means of industrial communication applied to solution and interpretation of technological problems.

**320 MASONRY CONSTRUCTION 4 F**  
*IT 221 or cons inst.*

Theory, materials and practices of concrete and masonry construction. Practical experience through on-site activities.

**321 CARPENTRY CONSTRUCTION 4 F, S**  
*IT 221 or cons inst.*

Theory, materials and practices of the building construction industry. Practical experience through on-site activities including carpentry and related trades.

**325 INDUSTRIAL PLASTICS 3 F, S**  
*IT 192 or cons inst. Materials charge.*

Resins, processing, and fabrication; injection molding, extrusion, rotational molding, foaming, thermo-forming, identification and testing.



**331 MACHINE TOOL TECHNOLOGY III 4**

*IT 233 or cons inst. Materials charge.*

Theory and practice involving setups for production machining: numerical control machine programming, turret lathe applications, production processes, technical reports.

**332 APPLIED PHYSICAL METALLURGY 3 F**

*IT 192 or cons inst. Materials charge.*

Physical and mechanical properties of metals, testing properties, crystalline structure, metallurgical examination, constitution of alloys, heat treatment, industrial applications.

**346 INDUSTRIAL ELECTRONICS 3**

*IT 242 or 244. Materials charge.*

Operation and characteristics of electronic circuits and devices employed in non-communications applications.

**349 TECHNICAL WRITING 3 F, S**

*ENG 101 or cons inst. Also offered as ENG 349.*

Instruction and practice in the forms and techniques of technical writing, adapted wherever possible to the professional interests of the individual student.

**351 IMAGE CARRIERS AND IMAGE TRANSFER 3 S**

*IT 250 or cons inst. Materials charge.*

Laboratory practice of basic printing machines; theory of printing machine systems, trouble-shooting and plate and plate-making systems.

**352 CHARACTER GENERATION 3 F**

*IT 250 or cons inst. Materials charge.*

Theory, laboratory practice on photo composition, impact and hot metal machines. Cathode-ray tube and computer application.

**353 COLOR SEPARATION 3 S**

*IT 253 or cons inst. Materials charge.*

Theory of color, modern color separation methods, fake color, transmission and reflection copy, color correction, additive and subtractive color.

**354 THE GRAPHIC ARTS INDUSTRY 3 F**

*IT 250 or cons inst. Materials charge.*

Graphic arts industrial organization of human resources, physical assets, and money; efficient production of graphic communications products.

**361 MOTOR VEHICLE DIAGNOSIS 3 F**

*IT 261, 262 or cons inst. Materials charge.*

Motor vehicle systems diagnosis; emphasis on electrical and fuel systems; experience on mechanical systems.

**363 FLUID POWER SYSTEMS DESIGN & ANALYSIS 3 S**

*IT 263 or cons inst. Materials charge.*

Design, sizing and analysis of hydraulic and pneumatic circuits including both machine tool and mobile applications.

**370 INDUSTRIAL ACCIDENT PREVENTION 3 F, S**

*Materials charge.*

Principles, responsibilities and techniques for developing, organizing, implementing and administering an industrial safety program.

**371 ALCOHOL AND ACCIDENT PHENOMENON 3 F, S**

*Materials charge.*

Effects of alcohol on accident causation. Psychological, physiological, pharmacological actions of alcohol in view of medical, sociological, religious, economic aspects.

**372 ACCIDENT INVESTIGATION, RECORDS, AND EVALUATION 3 F, S**

*Materials charge.*

Theory and function of accident investigation, reporting, and analysis systems. Form design and utilization and cost evaluation procedures.

**373 AGRICULTURAL ACCIDENT PREVENTION 3 F, S**

*Also offered as AGR 345. Materials charge.*

Major problems of accident causation and prevention applicable to agriculture and the need for farm safety education.

**374 METHODS AND MATERIALS OF TEACHING DRIVER EDUCATION 3 F, S**

*IT 172. Laboratory experience in teaching beginning drivers in traffic simulators, BTW will be arranged. Materials charge.*

Laboratory experience in teaching beginning drivers using driving simulation and dual-control on the street, organization and administration of Traffic Safety programs.

**375 TRAFFIC ENFORCEMENT 2 F, S**

*IT 172 or conc reg or cons inst. Materials charge.*

Philosophy, methods of detecting, apprehending violators. Fundamentals of traffic law applicable to laymen, technicians, and teachers.

**376 PROBLEMS AND RESEARCH IN ACCIDENT PREVENTION 3 S**

*IT 171 or cons inst. Materials charge.*

Problems confronting researchers in the safety field; current findings; applicable to the students' area of interest.

**377 TRAFFIC ENGINEERING 2 F, S**

*IT 172 or conc reg or cons inst. Materials charge.*

Investigation of vehicle and environmental components of HTS; vehicle inspection, equipment, design; traffic studies performed; traffic planning to reduce collisions, congestion.

**378 DISASTER PREPAREDNESS 3 F**

*Materials charge.*

Organizing, directing, coordinating disaster services in schools, industry and local government. Includes T.B.A. 48 hr. disaster exercise.

**379 CURRICULUM DEVELOPMENT IN DRIVER EDUCATION 3 F, S**

*IT 171 and 172. Materials charge.*

Behavioral-oriented curriculum applicable to driver education. Behavioral objectives, learning activities, measurement of student performance peculiar to driver education.

**380 FIRE PROTECTION AND PREVENTION 4 F, S**

*IT 171 or cons inst. Materials charge.*

Measures related to safeguarding human life and preservation of property in prevention, detection, extinguishing fires.

**386 TECHNICAL COMPUTER PROGRAMMING 3**

*Laboratory arranged. Materials charge.*

Digital computer systems, programming digital computers and their use in solving problems related to applied sciences and technologies.

# Information Sciences

**Chairperson:** C. Edward Streeter, 116A Stevenson Hall.

**Programs:** Major and minor in **Speech Communication** and **Speech Communication Education** with separate mass communication and speech communication sequences in each program. Also, separate liberal arts and teacher education majors and minors in **Library Science**. Teacher education minor only in **Instructional Media**. Separate liberal arts and teacher education minor only in **Journalism**.

**Faculty:** Professors: Rives, Smith, Streeter, White, Wiman. Associate Professors: Brake, R. Holdridge, Jackson, Parret, Tchong, Wright. Assistant Professors: Boaz, Cragan, Hanson, Harper, W. Holdridge, Hustuft, Kapoor, Konsky, Larsen, Marshall, Otterson, Paxton, Schmid, Semlack, Shelly, Wilford, Williams, Wisely. Instructors: Grindeland, Hutton, Jesse, Martin, Neuleib, Sherman, Vessup, Wasser, Wible, Lecturer: Punke.

## Information Sciences

**101 THE LIBRARY IN SOCIETY 3 F, S**  
Survey of librarianship and areas of service. Significance and responsibilities of contemporary libraries. Professional organizations, standards, library legislation.

**115 BASIC REFERENCE SOURCES 3 US-E F, S**  
Basic reference sources for libraries with collections of printed and non-printed material. Criteria for evaluating reference books and practical experience in using them.

**120 HUMAN RECORDS AND LIBRARIES 3 US-A F, S**  
Human communication from earliest records to invention of printing and advent of mass media: libraries and their growth in relation to these developments and to society.

**140 INTRODUCTION TO THE COMPUTER WORLD 3 US-E F, S**  
A nontechnical course designed to develop effective computer users and acquaint the students with the impact of computers on himself and society. No previous computer experience or mathematics requirements necessary.

**160 INTRODUCTION TO MASS COMMUNICATION 3 US-A F, S**  
*Formerly SP 160: INTRODUCTION TO THE PUBLIC ARTS.*

**161 ANNOUNCING PRACTICUM 1 F, S**  
*INS 160 and cons inst. May be repeated. Max 4 hrs.*  
Supervised experience in an announcing assignment at local company or off-campus stations. The student must obtain the assignment and arrange with the instructor for weekly critique sessions.

**162 RADIO PRODUCTION 3 F, S**  
*INS 160.*  
Skills in utilizing equipment and procedures necessary to produce programs for radio. Script writing and directing included.

**163 TELEVISION PRODUCTION 3 F, S**  
*INS 160, 162.*  
Development of skills in utilizing equipment and procedures necessary to produce videotaped programs. Script writing and directing included.

**165 REPORTING I 3 F, S**  
*INS 160 and typing ability. Formerly JRN 165.*  
Intensive training in the fundamentals of newsgathering and newswriting.

**166 REPORTING II 3 F, S**  
*INS 160, 165. Formerly JRN 166.*

Advanced training in newsgathering and newswriting with practical application.

**167 BROADCAST NEWS I 3 US-A F, S**  
*INS 160, 165.*

Provide an understanding of the role of the broadcast journalist and develop some of the basic skills of the profession.

**170 LITERATURE FOR THE ELEMENTARY SCHOOL 3 F, S**  
*Also offered as ENG 170.*

Prose and poetry for kindergarten through eighth grade; emphasis on classics, best of twentieth-century works, folklore heritage, and mythology.

**240 UTILIZATION OF AUDIOVISUAL MATERIALS 3 F, S**  
*Lecture and laboratory. Materials charge.*

Surveys the theory, materials, and methodology of instructional technology. Laboratory experiences include equipment operation, evaluation of materials, and basic graphic production techniques.

**241 BASIC PHOTOGRAPHY 3 US-E F, S**  
*Materials charge. Student must provide own 35 mm adjustable camera, meter, and flash. Lecture and laboratory. Cld if had INS 266.*

Camera manipulation, lighting, composition, and darkroom procedures.

**242 EXPERIENCING BOOKS THROUGH SPEECH 3 F, S**  
*SP 110. Also offered as SP 242.*

Book-inspired activities for pupils in the elementary school designed to develop appreciation of literature through creative dramatics, story telling, choral reading, discussion, reporting, and reading aloud.

**260 MASS COMMUNICATION: CULTURAL CRITICISM AND PROBLEMS 3 F, S**  
*INS 160.*

The mass media as a social system. Their impact on the cultural and economic life of the nation. The need for continuing decisions regarding public policy. This course results from the splitting of a former course, 360, Mass Communication in Society, into two courses.

**263 ADVANCED TELEVISION PRODUCTION 3 F**  
*INS 160, 163, or cons inst. 2 hrs lecture and 2 hrs laboratory.*

Advanced work in television production with emphasis on commercials, newscasting, special effects, writing, and directing.

**264 BROADCAST PROGRAMMING 3 S**  
*INS 160.*

The format and scheduling of programs as practiced by station and network management and viewed from the perspective of the advertiser, the manager, and the habits and desires of the consumer.

**265 COPY EDITING 3 F, S**  
*INS 160, 165. Formerly JRN 267: NEWSPAPER LABORATORY I.*

Advanced training in rewriting and editing stories, headlines, writing, page layout, and work on a campus publication.

**266 PHOTO JOURNALISM 3 F**  
*INS 160, 165. Cld if had INS 241. Materials charge.*  
Development of skills and techniques in the production of still photographs for printed publications and television.



**267 BROADCAST NEWS II 3 F, S**

*INS 160, 165, 167 and cons inst.*

Refinement of skills in broadcast news through laboratory work on daily radio and television newscasts.

**268 HIGH SCHOOL NEWSPAPER AND COMMUNITY RELATIONS 3 F**  
*INS 165 and typing ability. Formerly JRN 294: SCHOOL NEWSPAPERS AND COMMUNITY RELATIONS.*

Methods training for school newspaper advisors and editors of business periodicals; includes training in writing publicity releases.

**269 ANNUAL AND PERIODICAL 3 S**  
*Typing ability. Formerly JRN 295.*

Editorial and business problems of the school annual and of literary and commercial magazines.

**270 DOCUMENTARY IN FILM AND BROADCASTING 3 US-A S**  
*Also offered as THE 270.*

Historical, philosophical, and theoretical consideration of documentary approach in films, television, and radio.

**271 LITERATURE FOR LOWER GRADES 3 F, S**  
*Also offered as ENG 271. Does not repeat materials of INS 170.*

Wide reading in variety of books available for kindergarten and primary grades, criteria for book selection, development of literature programs.

**272 LITERATURE FOR UPPER GRADES 3 F, S**  
*Also offered as ENG 272. Does not repeat materials of INS 170.*

Wide reading in variety of books available for grades four through eight, criteria for book selection, development of literature programs.

**297 COMMUNICATION RESEARCH METHODS 3 F**  
*Also offered as SP 297.*

Methods of scholarly research and critical evaluation of research.

**301 ADVANCED REFERENCE SOURCES 3 F, S**  
The selection, use, and evaluation of print and non-print reference materials in selected subject field.

**305 BUILDING AND MAINTAINING LIBRARY COLLECTIONS 3 F, S**  
A survey of general selection aids, principles of selection, criteria for evaluation. Development of a materials selection policy, intellectual freedom and censorship.

**306 LIBRARY MATERIALS FOR CHILDREN 3 F, S**  
Selection, evaluation and use of media in various subject areas. Use of materials in meeting individual interests, needs, and abilities of children.

**307 MEDIA FOR YOUNG ADULTS 3 F, S**  
Selection, evaluation and use of media for young adults in public and secondary school libraries. Materials are related to development of young people and to the school curriculum.

**308 LIBRARY MATERIALS FOR ADULTS 3 S**  
Evaluation, selection, and use of media for adults. A study and analysis of interests and information needs.

**310 ORGANIZATION OF LIBRARY MATERIALS 4 F, S**  
*Supervised laboratory work.*

Principles of cataloging and classification and their application in organizing media collections; Dewey Decimal Classification System and the Anglo-American cataloging code.



**312 ORGANIZATION OF THE  
LIBRARY MATERIALS  
CENTER 3**

**F, S**

Principles and procedures in developing, directing, and evaluating library media services.

**326 LIBRARY SERVICES FOR  
SPECIAL GROUPS 3**

**S**

Trends in the development of services, primarily by public libraries in the United States and in Illinois, for groups with unique needs.

**327 SPECIAL LIBRARIES 3**

**F**

*Supervised field trips.*

Survey of the services and functions of the major types of special libraries.

**337 PROGRAMMED LEARNING 3**

**F**

Construction and evaluation of programmed instruction; critical analysis of learning theory as it relates to this form of instruction. Methods of using programmed sequences for instruction.

**340 COMPUTER APPLICATIONS  
IN EDUCATION 3**

**S**

*Cons inst. Formerly LSM 450.*

Examination and discussion of the ways computers may be used in education. Administration, instruction, research, storage of information, accounting and simulation.

**345 INTRODUCTION TO LIBRARY  
TECHNOLOGY 3**

**S**

Application of mechanized, automated and computerized equipment to achieve economy, efficiency and speed in library operations. Analysis and design of library systems.

**350 EVALUATION AND COLLECTION  
OF MAP RESOURCES, ATLASES  
AND AERIAL PHOTOGRAPHS 3**

*Formerly LSM 330.*

Selection, acquisition, conservation, storage and circulation of map materials. Criteria for evaluating maps and atlases.

**360 MASS COMMUNICATION:  
THEORY AND EFFECTS 3**

**F, S**

*SP 110 and INS 160.*

A critical examination of channel and receiver variables and their effects on the act of moving information through a given medium. Students participate in at least one research project of their design.

**361 REGULATION OF THE  
COMMUNICATION  
INDUSTRY 3**

**F**

*INS 160. Formerly: LAW AND REGULATION OF MASS COMMUNICATION. Lecture and laboratory.*

Television as a means of instruction in terms of research, technique, utilization and evaluation.

**362 INSTRUCTIONAL  
TELEVISION 3**

**F, S**

*Lecture and laboratory.*

Television as a means of instruction in terms of research, technique, utilization and evaluation.

**364 BROADCAST MANAGEMENT 3**

**S**

*INS 160, 264, 361.*

The role and functions of broadcast media managers in society.

**365 PRODUCTION OF INSTRUCTIONAL  
MATERIALS 3**

**F, S**

*INS 240 or cons inst. Lecture and laboratory. Materials charge.*

Fundamental skills and techniques for mounting, lettering, coloring, illustrating and reproducing graphic materials.

**366 ADVANCED PRODUCTION 3**

**S**

*INS 241 and 365 or cons inst. Lecture and laboratory. Materials charge.*

Design and practice in the application of skills and knowledge to specific production problems. Student must integrate skills, knowledge of materials, design, and communication theory.

**367 AUDIO PRODUCTION 3**

**F**

*Lecture and laboratory. Materials charge.*

Selection, evaluation, production, operation and maintenance of audio devices and materials.

**368 MOTION PICTURE  
PRODUCTION 3**

**S**

*Lecture and laboratory. Materials charge.*

Theory and practice in planning and producing motion pictures. Considers treatments, storyboard, script writing, shooting, editing, titling and technical problems of production. Student provides film and processing.

**380 DIRECTED PROJECTS 1-3**

**F, S**

*Also offered as SP 380.*

**385 EDITORIAL AND  
FEATURE WRITING 3**

**F**

*Cons inst.*

Advanced training in writing feature articles and editorials for newspapers and magazines.

## Speech Communication

**110 FUNDAMENTALS OF  
SPEECH 3 US-A**

**F, S**

Theory and practice to develop acceptable speech proficiency in various speaking activities demanded of citizens in a free society.

**123 INTERPERSONAL  
COMMUNICATION 3 US-A**

**F, S**

An introduction to two-person interaction in a variety of contexts.

**125 ARGUMENTATION 3 US-A**

**F, S**

Theory and practice of advocacy.

**175 BLACK REVOLUTIONARY  
COMMUNICATION 3**

**F**

**199 PRACTICUM IN SPEECH  
COMMUNICATION 1**

**F, S**

*May be repeated. Max 4 hrs.*

Training and participation in speech activities.

**201 COMMUNICATION AND  
SOCIAL ISSUES 1 3**

**F**

*SP 110 or cons inst. Formerly SP 301.*

Criticism of communicative discourse concerning reform movements, religious controversy, socialism, and other topics.

**202 PERSUASIVE PUBLIC  
SPEAKING 3**

**S**

Improvement of communication skills.

**210 PRINCIPLES OF  
PARLIAMENTARY  
PROCEDURE 3 US-E**

**S**

Formal instruction in main, subsidiary, privileged, and incidental motions. Basic tenets of parliamentary law including relationship of principles of parliamentary procedure to bylaws and governance documents are covered. Actual practice provided in the conduct of



business meetings. Functions of major officers of the assembly are discussed and demonstrated.

**223 SMALL GROUP PROCESSES 3 US-D F, S**  
Theory and practice in reflective group discussion methods.

**226 CLASSICAL RHETORIC 3**  
Formerly SP 326.

**242 EXPERIENCING BOOKS THROUGH SPEECH 3 F, S**  
SP 110. Also offered as INS 242.  
Book-inspired activities for pupils in the elementary school designed to develop appreciation of literature through creative dramatics, story telling, choral reading, discussion, reporting, and reading aloud.

**280 TEACHING OF SPEECH IN THE ELEMENTARY SCHOOL 3 S**  
SP 110 or conc reg.  
Theory and practice in the language arts program designed to help teachers utilize the speech arts in the classroom.

**281 PRINCIPLES OF SPEECH EDUCATION 3 F**

**297 COMMUNICATION RESEARCH METHODS 3 F**  
Also offered as INS 297.  
Methods of scholarly research and critical evaluation of research.

**298 INDEPENDENT RESEARCH IN SPEECH COMMUNICATION 3 S**  
Project approval by chrpn and inst prior to reg.

**302 COMMUNICATION CRITICISM 3 S**  
SP 110 or cons inst. Formerly SP 327.

**303 CONTROVERSY AND CONTEMPORARY SOCIETY 3 US-A**  
SP 110 or cons inst.  
Contemporary communication on current significant, controversial issues.

**304 FREEDOM OF SPEECH AND PRESS 3 F**  
SP 110 or cons inst.

**321 MESSAGE COMPOSITION 3 F**  
SP 110 or cons inst.

**323 THEORY AND RESEARCH IN SMALL GROUP COMMUNICATION 3 F, S**  
SP 110 or cons inst.  
Theoretical and experimental literature dealing with small group communication processes.

**324 THEORY AND RESEARCH IN PERSUASION 3 S**  
SP 110 or cons inst.

**325 NONVERBAL COMMUNICATION 3 F, S**  
SP 110 or cons inst.

**328 CONTEMPORARY RHETORICAL THEORY 3 S**

**329 ORGANIZATIONAL COMMUNICATION 3 F, S**  
SP 110 or cons inst.

**330 DIRECTING THE FORENSIC PROGRAM 3 S**  
SP 110 or cons inst.

**370 PSYCHOLOGY OF LANGUAGE 3 S**  
SP 110 or cons inst.

Theories and experimental research relating to the development and functions of language.

**371 POLITICAL COMMUNICATION 3-4**  
6 hrs SP, and 6 hrs POS or cons inst.

Basic theory and research relating to political campaign communication. Special attention is paid to the persuasive process of political campaigning focusing upon the role of the media, the candidate, image creation and other selected topics on political campaign communication.

**380 DIRECTED PROJECTS 1-3 F, S**  
Also offered as INS 380.

**381 PROBLEMS IN THE TEACHING OF COMMUNICATION 3 S**  
SP 110 or cons inst. May be repeated. Max 4 hrs.

## Mathematics

**Chairperson:** Robert K. Ritt, 313 Stevenson Hall.

**Programs:** Identical liberal arts and teacher education major, comprehensive major, and minor in Mathematics allowing specialization in various areas of the discipline.

**Faculty:** Professors: Bey, F. Brown, Eggan, O'Daffer, Retzer, Ritt, Vanden Eynden. Associate Professors: Berk, L. Brown, Crumley, Edge, Friedberg, Ha, Hathway, Insel, Morris, Otto. Assistant Professors: Angwin, Banks, Baucom, Carroll, Clemens, Cook, Dodd, Dossey, Eckert, Ecklund, Forcade, Gilmore, Hershberger, Hryczyszyn, Hummel, Jacobs, Miller, Parr, Runion, Shilgalis, Speiser, Spence. Instructors: Eardley, Owles, Wilmot, Wilson. Lecturer: Burmester.

**103 FOUNDATION TOPICS IN MATHEMATICS 4 US-C S**  
Clsd maj min.

Logic, axiomatics, sets, and numbers from common sense understandings. Precise language used but only meaningful. Growth of a mathematical theory.

**104 ELEMENTARY MATHEMATICAL STATISTICS 3 US-C S**  
3 sem. HS Algebra; clsd maj min.

Data acquisition; data reduction; role of mathematics in designing and analyzing experiments, especially polls; strategy, decision making under uncertainty.

**105 APPLICATIONS OF ELEMENTARY MATHEMATICS 3 US-C F, S**  
1 yr. HS Algebra; clsd maj min or if had MAT 120.

Problems in physical, biological and social sciences, business, politics, games and other fields solved by algebra, geometry, linear programming, probability, etc.

**106 FUNDAMENTALS OF MATHEMATICS 4 US-C F, S**  
Clsd maj min.

Whole numbers, finite systems, sets, geometries, functions, analytic geometry, probability, sequences, logic.

**107 INTERMEDIATE ALGEBRA 3 F, S**  
1 yr HS Algebra and 1 yr HS Geometry; clsd maj min.

Intermediate course between one year of high school algebra and college algebra.

**108 TRIGONOMETRY 2 F, S**  
3 sem HS Algebra and 1 yr HS Geometry or cons inst; clsd if had 4 yrs HS MAT; clsd maj min.

- 110 MODERN COLLEGE ALGEBRA WITH TRIGONOMETRY** 4 F, S  
MAT 107 and 108, or equiv; clsd maj min or if had MAT 120.
- 112 ANALYTIC GEOMETRY** 4  
MAT 110 or cons inst.
- 115 CALCULUS I** 4 US-C F, S  
MAT 112, or cons inst and placement exam; clsd if had MAT 135.  
Differentiation as usually given in first semester calculus and introduction to integral calculus.
- 116 CALCULUS II** 4 US-C F, S  
MAT 115; clsd if had MAT 136.  
Continuation of MAT 115 with emphasis on integral calculus.
- 120 FINITE MATHEMATICS FOR BUSINESS AND SOCIAL SCIENCES** 4 US-C F, S  
MAT 107 or cons inst; clsd maj min or if had MAT 105 or 110.  
Finite mathematics with a review of selected topics from algebra.
- 121 INTRODUCTION TO CALCULUS FOR BUSINESS AND SOCIAL SCIENCES** 4 US-C F, S  
MAT 120; clsd maj min.  
Intuitive differential and integral calculus, elementary matrices and vector spaces. Applications in linear programming and statistics.
- 135 CALCULUS WITH ANALYTIC GEOMETRY I** 4 US-C F, S  
MAT 110 or placement exam. Clsd if had MAT 112 or 115.  
Differential and integral calculus of elementary functions with associated analytic geometry.
- 136 CALCULUS WITH ANALYTIC GEOMETRY II** 4 US-C F, S  
MAT 135; clsd if had MAT 115 or 116.  
Continuation of MAT 135. L'Hospital's rule, improper and iterated integrals, partial derivatives.
- 151 STRUCTURE OF NUMBER SYSTEMS I** 3 US-C F, S  
1 yr HS Algebra and 1 yr HS Geometry or cons inst; clsd maj min.  
Properties of natural and rational numbers applied to four basic operations. Set theory applied to elementary mathematics.
- 152 STRUCTURE OF NUMBER SYSTEMS II** 3 F, S  
MAT 151 or 4 yrs HS MAT and cons advisor; clsd maj min.  
Continuation of MAT 151. Concepts and structure of real numbers. Number theory, probability, statistics, geometry, and topology.
- 168 INTRODUCTION TO COMPUTERS AND PROGRAMMING** 3 US-A F, S  
HS Algebra; clsd if had ACC 160.  
Basic FORTRAN IV; use of subprograms, plotter, magnetic tape, disk. Programs related to student's major field of interest.
- 175 LINEAR ALGEBRA AND DIFFERENTIAL EQUATIONS** 4 F, S  
MAT 136 or conc reg; clsd if had MAT 251.  
Vector geometry, linear spaces, linear dependence, linear transformations, matrices, determinants (systems of linear equations); linear differential equations with constant coefficients.
- 201 MATHEMATICS FOR THE ELEMENTARY SCHOOL** 2 F, S  
MAT 151; clsd maj min or if had C&I 252.  
Background for meaningful teaching of number concepts, basic facts, fundamental processes, problem solving. Current innovations for elementary curriculum.
- 202 MATHEMATICS FOR THE JUNIOR HIGH SCHOOL** 2 S  
MAT 151; clsd maj min.  
Structure of rational numbers and integers, real numbers, geometry and measurement solution sets for open sentences, ratio and proportion.
- 204 GEOMETRY FOR ELEMENTARY TEACHERS** 3 F, S  
MAT 151 or 1 yr HS Algebra and 1 yr HS Geometry with cons inst; clsd maj min.  
Geometry relevant to grades K-8. Logic, incidence, separation, congruence, parallelism, similarity, coordinate systems, measurement, and constructions.
- 205 MODERN ALGEBRA FOR ELEMENTARY TEACHERS** 3 F, S  
MAT 151 or cons inst; clsd maj min.  
Algebraic concepts and structures relevant to grades K-8. Structure of familiar number systems compared and contrasted with other mathematical systems.
- 210 SYMBOLIC LOGIC** 3  
MAT 116 or 175. Also offered as PHI 210. Formerly MAT 365: MATHEMATICAL LOGIC.  
Propositional calculus, independence; many-valued logics, interpretations, satisfiability and truth, first-order theories, consistency and completeness theorems.
- 211 EUCLIDEAN AND NON-EUCLIDEAN GEOMETRY** 4 F, S  
MAT 115 or 135. Formerly: GEOMETRY FROM AN ADVANCED STANDPOINT.  
Logical structure and content of Euclidean and non-Euclidean Geometries from the contemporary point of view.
- 231 VECTOR CALCULUS AND INFINITE SERIES** 4 S  
MAT 175 or cons inst; clsd if had MAT 116. Formerly MAT 176.  
Real and vector functions, sequences in Euclidean n-space, convergence and divergence of infinite series. Taylor and power series. Improper, multiple integrals.
- 250 STATISTICS** 3 S  
MAT 110 or 120; clsd maj min.  
Survey of statistical concepts and methods used in wide range of disciplines to meet need of students in areas other than mathematics.
- 251 LINEAR ALGEBRA AND VECTOR ANALYSIS** 5 F  
MAT 116; clsd if had MAT 175 or 231.  
Vector spaces, Euclidean n-space, determinants, linear transformation, matrices, differential equations, real and vector valued functions of a real or vector variable.
- 301 MATHEMATICAL TOPICS FOR ELEMENTARY TEACHERS** 3 F, S  
MAT 151 or cons inst; clsd maj min.  
Significant problems, viewpoints and trends in teaching of arithmetic. Research related to organization, content and techniques in this field.
- 302 MATHEMATICAL TOPICS FOR JUNIOR HIGH TEACHERS** 2  
MAT 201 or 202 or tchg exper; clsd maj min.  
Problems, viewpoints and trends in teaching junior high school mathematics. Implication of logic and foundations of mathematics for teaching in this field.



- 303 DIAGNOSIS AND REMEDIATION OF ELEMENTARY MATH LEARNING PROBLEMS** 3 F, S  
*MAT 151 and 201 or cons inst.*  
 Analysis of Diagnostic and Remediation Procedures utilizing concrete materials for children experiencing difficulties in elementary school mathematics.
- 306 SET THEORY** 3  
*MAT 251 or 175.*  
 Elementary logic, set algebra, relations and functions, axioms for set theory, equivalence, ordinals and cardinals.
- 308 MATRIX THEORY** 2  
*MAT 116 or 175.*  
 Computational theory of matrices, matrix operations, inversion, solution to linear systems, eigenvalues and eigenvectors.
- 310 NUMBER THEORY** 3 F, S  
*MAT 116 or 175.*  
 Divisibility, primes, unique factorization, numerical functions, congruences, Diophantine equations, other topics.
- 312 HIGHER GEOMETRY I** 3 F, S  
*MAT 116 or 136.*  
 Geometric transformations, groups of transformations, invariants, transformations on the Euclidean plane.
- 313 HIGHER GEOMETRY II** 3 F, S  
*MAT 312.*  
 Topological transformations on the Euclidean plane; projective plane; synthetic and analytic projective geometry, projective conics.
- 315 INTRODUCTION TO ABSTRACT ALGEBRA I** 3 F, S  
*MAT 251 or 175.*  
 Groups, homomorphisms, quotient groups; rings, ideals, integral domains, polynomials.
- 316 INTRODUCTION TO ABSTRACT ALGEBRA II** 3 S  
*MAT 315.*  
 Unique factorization, extension fields, beginnings of Galois theory.
- 317 LINEAR ALGEBRA** 4 F, S  
*MAT 175 or 251.*  
 Vector spaces, linear transformations, dual space, inner product spaces, eigenvalues and eigenvectors, rational and Jordan canonical forms, quadratic and bilinear forms.
- 320 HISTORY OF MATHEMATICS TO 1600** 2 F  
*MAT 116 or 136.*  
 Emphasis on Greek geometry, and growth of algebra and algebraic notation from early Mesopotamia through Renaissance.
- 321 HISTORY OF MATHEMATICS, 1600 TO PRESENT** 2 F  
*MAT 175 or 251.*  
 Development of modern mathematics (analysis, algebra, geometry) and the people in the forefront, beginning with Descartes. Emphasis on 19th century.
- 323 MATHEMATICS FOR THE SECONDARY SCHOOL** 3 F, S  
*MAT 312 and 315 or conc reg.*  
 Problems in selection, placement and teaching of secondary mathematics topics. Language and symbolism. Analysis of recent trends and practices.
- 325 FINITE MATHEMATICAL STRUCTURES** 2 S  
*MAT 116 or 175.*  
 Methods of proof, finite algebra, partition and counting, stochastic processes, matrix algebra, theory of games and linear programming, application.
- 335 ADVANCED CALCULUS I** 3 F  
*MAT 231 or 251.*  
 Calculus of functions of several variables; Taylor's series of several variables, maxima and minima, Lagrange multipliers, multiple integration, Green's and Stoke's theorems.
- 336 ADVANCED CALCULUS II** 3 S  
*MAT 335.*  
 Content will vary. Topics may include introduction to Fourier series or differential geometry.
- 340 DIFFERENTIAL EQUATIONS I** 3 F, S  
*MAT 175 or MAT 251 or cons inst.*  
 First order differential equations, linear differential equations, series solutions, systems of linear differential equations, applications.
- 341 DIFFERENTIAL EQUATIONS II** 3 S  
*MAT 340 and MAT 231 or 251.*  
 Numerical solutions, Laplace transform, theory of first order equations, theory of linear differential equations, Sturm theory, Sturm Liouville theory, Fourier series, introduction to partial differential equations with applications to the heat and wave equations.
- 347 INTRODUCTION TO REAL ANALYSIS I** 3 F  
*MAT 231 or 251.*  
 Real and complex number systems, topology of metric spaces, convergence, sequences and series, continuity, extreme and intermediate value theorems.
- 348 INTRODUCTION TO REAL ANALYSIS II** 3 S  
*MAT 347.*  
 Differentiation, Taylor's theorem, Riemann-Stieltjes integration, uniform convergence, Stone-Weierstrauss theorem, power series expansions, Fourier series.
- 349 COMPLEX ANALYSIS I** 3 F  
*MAT 251 or 231.*  
 Analytic function theory, complex plane, differentiability and analyticity, Cauchy's theorem. Taylor series and Laurent series.
- 350 MATHEMATICAL STATISTICS I** 3 F, S  
*MAT 116 or 175.*  
 Sample spaces, random variables, frequency functions, linear functions of random variables, nature of statistical functions, moment generating function, applications.
- 351 MATHEMATICAL STATISTICS II** 3 F, S  
*MAT 350.*  
 Correlation and regression equations, development of Chi-square, Student's t and F distributions, likelihood ratio tests, analysis of variance and non-parametric methods.
- 362 COMPUTER-EXTENDED MATHEMATICS FOR SECONDARY SCHOOLS** 3 S  
*Calculus and C in MAT 168 or knowledge of programming.*  
 Techniques of illustrating, deriving, and discovering mathematical concepts of the secondary curriculum by digital computer.

**366 BOOLEAN ALGEBRA AND LOGICAL DESIGN 3 F**  
*MAT 116, 175 or 121.*

Switching circuits, Boolean algebra as model for propositional calculus, logical design of digital computers, logical programming.

**368 PRINCIPLES OF DIGITAL COMPUTERS 3 F, S**  
*MAT 168 or cons inst.*

Assembly languages. Writing assembler programs and subprograms, and running them on the IBM 360.

**369 DATA STRUCTURES 3 F, S**  
*Calculus and C in MAT 168 or knowledge of programming.*

Data representation and organization, optimum encoding, structuring of data, lists, stacks, trees, deques, queues, depiction of geometric objects, sorting, merging, and file maintenance.

**370 NUMERICAL ANALYSIS 3 F**  
*MAT 251 or 176 and knowledge of FORTRAN programming.*

Interpolation and approximation, error analysis, integration, techniques for solving differential equations, root finding, matrix manipulation.

**372 INTRODUCTION TO FINITE AUTOMATA AND FORMAL LANGUAGES 3 S**  
*MAT 315 or cons inst.*

Finite deterministic automata including sequential and 2-way multitape automata. Formal languages and grammars, general systems theory.

**375 INTRODUCTION TO TOPOLOGY 3**  
*MAT 251 or 176.*

Topology of metric spaces, introduction to general topological spaces, and other topics.

**390 INDEPENDENT STUDY 1-3 F, S**

## Music

**Chairperson:** David L. Shrader, 230 Centennial East.  
**Programs:** Bachelor of Arts or Bachelor of Science major and minor in **Music** for liberal arts students. Bachelor of Music Education comprehensive major and minor in **Music Education** for teacher education. Professional Bachelor of Music comprehensive major available. Also, opportunity available for students to prepare as music therapists.

**Faculty:** Professors: Bolen, Corra, Farlee, Ferrell, Pollock, Roderick, Rye, Shrader, Spector. Associate Professors: Armstrong, Bedford, Cordero, Foeller, Han, Kim, Lewis, Livingston, Poultney, Sanders, Terrill. Assistant Professors: Chavez, DeBose, Faulmann, Hackett, Hardine, Hillstrom, Kemp, Koerselman, Kuntz, Manring, Monette, Omer, Peterson, W. Reeder, Rehm, Rosene, Schoenfeld, P. Schuetz, Stokes, Sudano, Suggs, Vance, Whitehart. Instructors: Boitos, Hishman, Hurtz, C. Reeder. Lecturers: Gray, Iwasaki, J. Schuetz, Stephens.

Enrollment in some courses is limited to those students who have had auditions or who have secured permission from the appropriate coordinator. Further information may be obtained in the office of the Music Department.

**100 INTRODUCTION TO MUSIC THEORY 2 US-A F, S**

Pitch and rhythmic notation, major-minor key system, sight reading of simple pitch, rhythmic patterns, diatonic melodies.

**101 MUSIC THEORY AND LITERATURE 6 US-A F**  
*Theory Placement Test or MUS 100 or cons Theory Coord.*

Principles of melodic analysis and writing; two and three-part pitch and rhythmic association, and texture and diatonic harmony through the Medieval, Renaissance and Baroque periods.

**102 MUSIC THEORY AND LITERATURE 6 US-A S**  
*MUS 101 or cons Theory Coord.*

Continuation of diatonic harmony, simple functional chromaticism, and elementary formal analysis through works representative of Classical, Romantic and 20th Century Styles.

**111 GROUP INSTRUCTION IN BRASS 2 F, S**  
*Practical instruction in playing all brass instruments.*

**112 GROUP INSTRUCTION IN BRASS 1 F, S**  
 Continuation of 111 with concentration on one brass instrument.

**113 GROUP INSTRUCTION IN STRINGS 2 F, S**  
 Practical instruction in playing the violin, viola, cello and string bass.

**114 GROUP INSTRUCTION IN STRINGS 1 F, S**  
 Continuation of 113 with concentration on one stringed instrument.

**115 GROUP INSTRUCTION IN WOODWINDS 2 F, S**  
 Practical instruction in playing all woodwind instruments.

**116 GROUP INSTRUCTION IN WOODWINDS 1**  
 Continuation of 115 with concentration on one woodwind instrument.

**117 GROUP INSTRUCTION IN PERCUSSION 1 F, S**  
 Practical instruction in playing and methods of teaching percussion instruments.

**121 GROUP INSTRUCTION IN PIANO 2 F, S**  
*For students who have had little or no formal piano study and who are not music maj or min. Enrollment and placement only by permission of the Group Piano Coord. May be repeated to total four hours.*  
 Harmonization, sight-reading and transposition, technical studies, and solo ensemble repertoire.

**122 GROUP INSTRUCTION IN PIANO 2 F, S**  
*Music maj min with little or no keyboard skills. Enrollment and placement by permission of the Piano Coord. A syllabus of piano proficiency requirements is available from the music office and the Group Piano Coord. May be repeated to total eight hours.*

**126 GROUP INSTRUCTION IN VOICE 2 F, S**  
*May be repeated.*

Practical instruction in singing, English and Italian diction. Successful completion of 126 by audition before members of voice faculty is prerequisite for admittance to 137.





**127 FOREIGN LANGUAGE DICTION  
FOR SINGERS 2**

**F, S**

*MUS 126 or ap mus-voc or conc reg.*

German and French diction through the study of art songs in both languages.

**131 - 138 APPLIED MUSIC 2 or 4 ea**

**F, S**

*May be repeated. Permission of appropriate coord one sem in advance of reg. Prereq for MUS 137 described in narrative for MUS 126.*

Brass, 131; harpsichord, 132; organ, 133; percussion, 134; piano, 135; strings, 136; voice, 137; woodwinds, 138.

**139 ENSEMBLE 1-2**

**F, S**

*May be repeated.*

Study and performance of chamber music in a variety of combinations of instruments.

**141 PIANO TUNING I 2**

**F**

Piano Tuning is a course designed to offer tuning techniques as well as maintenance and mechanical information necessary for the care of grand and studio model pianos. Students enrolled in the course will tune, maintain, and repair Department of Music pianos.

**151 SURVEY OF MUSIC  
LITERATURE 2 US-A**

**F, S**

Music representative of the various periods and styles.

**152 MUSIC OF 20TH CENTURY  
AMERICA 2 US-A**

**F, S**

*MUS 151 or cons inst.*

Particular eras, media, and styles are explored.

**153 BLACK MUSIC I 3 US-A**

**F**

A survey of those musical elements — rhythm, improvisation, vocal inflections, call and response — which define Black Folk Music.

**154 BLACK MUSIC II 3 US-A**

**S**

A survey of Black composers, arrangers, performers, and educators in the areas of Jazz, Blues, Gospel, Spirituals, Rhythm and Blues, and Western Classical music in the 20th century.

**155 INTRODUCTION TO**

**ELECTRONIC MUSIC 2**

**F**

An introduction to the history, literature and techniques of electronic music. Projects in tape manipulator and synthesizer techniques.

**161 MARCHING BAND TACTICS 2**

**F**

*Participation required in marching band during the football season.*

Rudiments of marching band.

**167 BASIC CONDUCTING 2**

**F, S**

Fundamentals, score reading, rehearsal procedures and practical experience in work with choral or instrumental media.

**171 MUSIC SKILLS FOR CLASSROOM  
TEACHERS 2**

**F, S**

Basic skills and fundamentals of music for students in the Elementary and Special Education curricula who do not read music.

**181 - 188 PERFORMING**

**ORGANIZATIONS 1 US-A**

**F, S**

*Max 12 hours of 181 - 188 and 281 - 288 may be counted toward a degree.*

Participation in the major organizations: Concert, Varsity or University Band, 181; Symphony Orchestra, 182; Concert Choir, 184; Men's Glee Club, 185; Treble Choir, 186; Oratorio Choir, 188.

- 190 PRINCIPLES OF MUSIC THERAPY I 2 F**  
An introduction to music as a therapeutic agent in the rehabilitation and reorganization of the human being into social life.
- 191 PRINCIPLES OF MUSIC THERAPY II 2 S**  
The function of the music therapist with clinical experience and observation of music therapy in action.
- 203 MUSIC THEORY AND HISTORY 6 F**  
*MUS 102. Formerly MUS 103: MUSIC THEORY.*  
Contrapuntal techniques, chromatic harmony, and formal analysis within a comprehensive framework from 500 to 1750.
- 204 MUSIC THEORY AND HISTORY 6 S**  
*MUS 203. Formerly MUS 104: MUSIC THEORY.*  
Contemporary analytical procedures and historical perspectives applied to music since 1750.
- 205 COMPOSITION 2 F, S**  
This course is designed to develop individual creative talents of students in musical composition. Students will progress from the composing of well-balanced musical phrases to works in small forms for piano, choral groups, and small musical ensembles.
- 209 ORCHESTRATION 2 F**  
Scoring for orchestras and bands, focusing on tonal balance, color, timbre, and technical problems.
- 210 CHORAL ARRANGING 2**  
Arranging music for large and small vocal ensembles; emphasis on needs of public school vocal teacher.
- 218 JAZZ IMPROVISATION I 2 F**  
*Cons inst.*  
Fundamentals in improvising or extemporaneous playing; opportunity to perform improvised solos, both on standard chord changes and original compositions.
- 231 - 238 APPLIED MUSIC 2 or 4 ea F, S**  
*May be repeated. Permission of appropriate coord one sem in advance of reg.*  
Advanced brass, 231; harpsichord, 232; organ, 233; percussion, 234; piano, 235; strings, 236; voice, 237; woodwinds, 238.
- 239 ENSEMBLE 1-2 F, S**  
*May be repeated.*  
Study and performance of chamber music in a variety of combinations of instruments.
- 240 ACCOMPANYING 1 F, S**  
*Formerly MUS 140. May be repeated.*  
Technique and skills of accompanying singers and instrumentalists, including experience in providing accompaniments for other students.
- 250 THE ARTS AND MODERN MAN 2 US-A F, S**  
Selected works from music, theatre and visual arts.
- 253 MUSIC HISTORY AND LITERATURE THROUGH THE 17TH CENTURY 3 S**
- 254 MUSIC HISTORY AND LITERATURE FROM THE 18TH CENTURY TO THE PRESENT 3 F**
- 255 MUSIC HISTORY AND LITERATURE, 20TH CENTURY 3 F**  
*MUS 204 or cons inst.*
- 256 MUSIC HISTORY AND LITERATURE, 17TH AND 18TH CENTURIES 3**  
*MUS 204 or cons inst.*  
Development of music during the 17th and 18th centuries including nationalities, schools, styles, and form.
- 257 MUSIC HISTORY AND LITERATURE OF THE 19TH CENTURY 3**  
*MUS 204 or cons inst.*  
Musical developments in the 19th century; romanticism, impressionism, the orchestra, opera, art song, other large and small forms.
- 258 MUSIC HISTORY AND LITERATURE OF THE RENAISSANCE 3 S**  
*MUS 204 or cons inst.*  
Artistic and social conditions of the 15th and 16th centuries in Europe, sacred and secular vocal music, instruments, forms, theoretical practices.
- 259 AESTHETIC EXPERIENCE 1 US-A F, S**  
*May be repeated. Max 3 hrs. Also offered as ART 259 and THE 259.*  
One hour of credit is available on a credit-no credit basis for attendance at 15 fine arts events. One class meeting per week is used to introduce future events and to analyze past events.
- 261 INSTRUMENTAL TECHNIQUES 3 F**  
*Formerly MUS 361.*  
Problems and procedures in developing instrumental classes and organizations.
- 262 MUSIC EDUCATION 3 F, S**  
*Cons dept chrpn for non-MUS maj.*  
Survey of music in the kindergarten and grades one through six; current practices in teaching music; materials used for singing, listening, rhythmic activities, creating, and playing; planning of music suitable for the activities program.
- 263 BAND SCORING 2 S**  
Instrumentation for bands; scoring for outdoors; transcription from other media; editing of scores.
- 264 MUSIC EDUCATION 3 F, S**  
*Cons dept chrpn for non-MUS maj.*  
Survey of music in grades seven through twelve; current practices in teaching music; materials used for singing, listening, and creative activities; planning of music suitable for the activities program.
- 268 CONDUCTING (CHORAL) 2 F, S**  
*MUS 167 or cons inst.*  
Further development of conducting skills; principles of vocal production, rehearsal procedures, and problems of conducting choral music from all historical periods.
- 269 CONDUCTING (INSTRUMENTAL) 2 F, S**  
*MUS 167 or cons inst.*  
Further development of conducting skills with attention given to interpretation of representative instrumental works of master composers.
- 270 MUSIC LITERATURE FOR CHILDREN 2 F, S**  
*For teachers, principals, and supervisors in elementary schools.*  
Music interests of children in the various grades; music literature to develop these interests and promote growth; music suitable for use in various units in activities program.
- 277 MUSIC EDUCATION IN THE ELEMENTARY GRADES 3 F, S**  
*MUS 171 or cons inst. For classroom teachers and*



elementary principals. Clsd maj. No credit if in Elementary Education Program II.

Techniques and materials for teaching music in kindergarten through six.

**281 - 288 PERFORMING ORGANIZATIONS 1 US-A F, S**  
*Max 12 hours of 181 - 188 and 281 - 288 may be counted toward a degree.*

Participation in major organizations; Concert, Varsity, or University Band, 281; Symphony Orchestra, 282; Concert Choir, 284; Men's Glee Club, 285; Treble Choir, 286; Community-University Oratorio Choir, 288.

**301 FORM AND ANALYSIS IN MUSIC 3 F**

Structure of music from simple binary and ternary forms to rondo, theme and variations, and sonata forms.

**305 COMPOSITION 3 F, S**  
 Free composition in larger forms.

**307 SURVEY OF MUSIC THEORY 2 F**  
 Review of analytical techniques and procedures. Emphasis on tonal music.

**309 ADVANCED ORCHESTRATION 3 S**  
*MUS 209 or cons inst.*

**330 PEDAGOGY AND LITERATURE 2 F, S**  
*(Brass, woodwind, percussion, voice, strings, piano, organ.)*  
*May be repeated. More than one area may be taken concurrently.*

Methods of teaching, class and individual instruction; emphasis on technique and a comparison of various teaching procedures. Survey of important literature and composers for each medium.

**331 - 338 APPLIED MUSIC 2 or 4 ea F, S**  
*May be repeated. Permission of appropriate coord one sem in advance of reg.*

Individual instruction: Advanced brass, 331; Harp-sichord, 332; Organ, 333; Percussion, 334; Piano, 335; Strings, 336; Voice, 337; Woodwinds, 338.

**340 INFLUENCE OF MUSIC UPON BEHAVIOR 3 S**  
*MUS 190, 191, PSY 111, 131, SOA 106.*

A study of the various physiological effects of music. The place of functional music in music education, investigation of effective media and musical patterns. The relation of music and health in education, industry, and aesthetics.

**341 MUSIC IN THERAPY 3 F**  
*MUS 190, 191, and 340; or senior standing.*

The application of music experience as an adjunctive therapy in the prescriptive treatment of the exceptional child.

**351 THE OPERA 3 F**  
*MUS 204 or cons inst.*

Historical development of opera; emphasis on stylistic elements and trends of the various periods. Plots and music through recordings, piano scores, full scores, live performances.

**353 HYMNOLOGY 3**  
 Christian hymns from early Greek and Roman times. Various denominational hymnals are examined and evaluated.

**354 SACRED MUSIC REPERTOIRE 2**  
 Reading and evaluating choral literature of all periods, covering motets, anthems, plainchant, and responses for adult and children's choirs. Attention given to organ music, instrumental music, cantata and oratorio.

**355 ELECTRONIC MUSIC 2 S**  
*MUS 155.*

An analysis of the various techniques of composition in the electronic media with practical experiences with the variety of sound-generating equipment available to the composer.

**357 MUSIC BIBLIOGRAPHY 3 F**  
 Introduction to methods of research. Critical examination of dictionaries, encyclopedias, catalogs and other aids to research.

**358 NOTATION 2**  
 Black notation in Medieval music: square, pre-Franconian. Tablatures and white notation in Renaissance solo and ensemble music.

**360 PSYCHOLOGY OF MUSIC EDUCATION 3 F S**  
*Formerly MUS 460.*

Study of the psychology of music and the psychology of learning in relation to practical applications in music education.

**361 CURRENT TRENDS IN INSTRUMENTAL MUSIC 3 S**  
*Formerly MUS 261.*

Administration and supervision of instrumental music in elementary and secondary schools, methods and materials in current use, and current research related to instrumental music teaching.

**363 CHORAL TECHNIQUES 2**  
*Course in conducting or practical experience.*

Clinical aspects of the chorus rehearsal, contemporary choral practices, repertoire and source material, interpretation and program building.

**371 MUSIC FOR THE EXCEPTIONAL CHILD 3 F, S**

Trends in music education for exceptional children. Techniques and materials for a functional program of singing, playing, listening, and creative activities.

**377 MUSIC EDUCATION IN THE ELEMENTARY GRADES 3 F, S**  
*MUS 262 or 277. For elementary classroom teachers, music teachers, and music supervisors.*

Purposes, content, materials and teaching procedures in general music classes in elementary schools; supervisory practices, in-service workshops and curriculum planning.

**384 OPERA PRODUCTION 3 F, S**  
*Approval Music Theatre Director.*

Operas and musicals; problems of presenting high school and college productions. Participate in production of an opera or musical.

**391 MUSICAL STYLES IN THE RENAISSANCE 3 F**  
*MUS 204.*

A systematic survey of musical styles in the mass, motet, madrigal, and other forms considered within the musical and cultural milieu of the time.

**392 MUSICAL STYLES OF THE BAROQUE PERIOD 3 S**  
*MUS 204.*

An examination of the styles of the period, using the tools analysis and of historical inquiry to trace the inception and development of musical forms, techniques, and traditions.

**394 MUSICAL STYLES IN THE CLASSICAL PERIOD 3 F**  
*MUS 204.*

A detailed study of the forms and styles of the classical period, including opera, oratorio, and mass as well as symphony, concerto, sonata, and string quartet.

**395 MUSICAL STYLES IN THE ROMANTIC PERIOD 3 F**  
**MUS 204.**

A selective investigation of the stylistic and aesthetic bases of Romanticism as reflected in the major vocal and instrumental forms of the period.

**396 MUSICAL STYLES IN THE TWENTIETH CENTURY 3 S**  
**MUS 204.**

An exploration of 20th-century styles from traditionally-oriented to electronic and from totally serialized to aleatory.

# Philosophy

**Chairperson:** Kenneth C. Kennard, 412 Stevenson Hall.  
**Programs:** Liberal arts major and minor in **Philosophy**. Teacher education minor only in **Philosophy Education**.  
**Faculty:** Professor: Kennard. Assistant Professors: Andrade, Brinton, Cadieux, Godow, Goodrum, Gowen, Machina, Rosenbaum, Stell, Wierenga.

Freshmen wishing to select a Philosophy course should normally enroll in a 100-level course. Other students may begin with any 100 or 200-level course. Courses at the 300 level presuppose at least one course in Philosophy or consent of the instructor. Philosophy 320, 360, 361, and 362 presuppose two previous courses in Philosophy or consent of the instructor, and Philosophy 350 presupposes either Philosophy 254 or 255 or consent of the instructor.

**101 BASIC ISSUES IN PHILOSOPHY 3 US-B F, S**  
*Formerly PHI 130: INTRODUCTION TO PHILOSOPHY.*

Selected problems in philosophy of religion, ethics, metaphysics, and epistemology as discussed by important philosophers of the past and present.

**110 LOGIC 3 US-A F, S**  
 Elementary logical theory or techniques, applicable to practical affairs and to organized disciplines, for clarifying discourse and evaluating reasoning.

**120 PHILOSOPHY OF RELIGION 3 US-E F, S**  
 Philosophical analysis of selected religious concepts and beliefs including God's existence, evil, miracles, religious experience, faith, and morality.

**138 SOCIAL PHILOSOPHY 3 US-B F, S**  
*Formerly PHI 100.*  
 Philosophical foundations of society. Emphasis on theories of man, rights, freedom and responsibility.

**200 TOPICS IN SOCIAL AND POLITICAL PHILOSOPHY 3 US-B S**  
*May be repeated if content different.*  
 A selected problem in social philosophy — the justification of authority, theories of justice, or philosophical foundations of Marxism or liberalism.

**203 EXISTENTIALISM 3 US-B S**  
 Development of the existentialist viewpoint during the last two centuries; attention to its implications on 20th-century culture.

**206 PHILOSOPHY OF SOCIAL SCIENCE 3 US-E F**  
 Can disciplines concerning man and society be scientific? The nature of theories, methods, and special features of the social sciences.

**207 CHINESE PHILOSOPHY 3 US-B F**  
 An examination of the philosophical traditions of China.

**208 PHILOSOPHY OF LAW 3 US-B S**  
 Concepts of law, rights, property, contract, justice, and justification of legal institutions in positivistic and natural law theories.

**209 PHILOSOPHY OF HISTORY 3 US-B S**  
 Speculative and analytical approaches to problems of historical objectivity, knowledge, inevitability, explanation, and pattern or progress in history.

**210 SYMBOLIC LOGIC 3 US-A F, S**  
*Also offered as MAT 210.*  
 The sentential and first-order predicate calculi. Nature of formal deductive systems and their properties.

**211 PHILOSOPHY OF SCIENCE 3 US-E S**  
 General features and desirable properties of scientific theories, historical development of scientific knowledge, logic of basic scientific concepts.

**231 AESTHETICS 3 US-A F, S**  
 Analysis of principles and concepts typically used in discussing the nature, interpretation, appreciation, and criticism of art.

**232 ETHICS 3 US-B F**  
 Representative ethical and metaethical theories. Ethical justification, resolution of moral conflicts, competing concepts of value, obligation, responsibility, and moral relativism.

**254 HISTORY OF PHILOSOPHY I 3 US-B F**  
 Ancient and medieval philosophy, emphasizing interrelations of outstanding figures, and historical development of major philosophical ideas and problems.

**255 HISTORY OF PHILOSOPHY II 3 US-B S**  
 Historical development of major philosophical ideas and problems from the 16th to the 19th centuries, emphasizing interrelations of outstanding figures.

**302 CONTEMPORARY PHILOSOPHY 3 US-B S**  
*One PHI course or cons inst.*  
 One or more major philosophic movements of the 20th century through critical analysis of selected writings of important representatives.

**320 TOPICS IN THE PHILOSOPHY OF RELIGION 3 US-B S**  
*Two PHI courses or cons inst. Formerly PHILOSOPHY AND COMPARATIVE RELIGION.*  
 Which, if any, of the religions truly picture ultimate reality? What evidence is there of religious truth, e.g. religious experience?

**350 TOPICS IN THE HISTORY OF PHILOSOPHY 3 US-B F**  
*PHI 254 or 255 or cons inst. May be repeated.*  
 Intensive examination of some major figure or movement in the history of philosophy such as Plato, Kant, or British Empiricism.

**360 PHILOSOPHY OF MIND 3 US-B S**  
*Two PHI courses or cons inst.*  
 Dualistic, materialistic and behavioristic theories of mind. Knowledge of other minds. Mental concepts like intention, dreaming, memory, and action.



**361 THEORY OF KNOWLEDGE 3 US-B F**  
*Two PHI courses or cons inst.*

Classical and contemporary theories of knowledge. Problems of meaning, truth, certainty, apriori knowledge, induction, and perception.

**362 METAPHYSICS 3 US-B S**  
*Two PHI courses or cons inst.*

Classical and contemporary metaphysical theories. Problems of substance, change, universals, time, space, mechanism, teleology, and freedom.

**390 INDEPENDENT STUDY 1-3**  
*One PHI course, cons inst, cons dept chrpn.*

# Physics

**Chairperson:** Harold J. Born, 104 Felmley Hall.

**Programs:** Major and minor in **Physics** and in **Physics Education**. Interdisciplinary program in Chemistry and Physics available in the **Physical Sciences** comprehensive major and minor.

**Faculty:** Professors: Born, Crew, Schroer. Associate Professors: Frahm, Jesse, Luther, Young. Assistant Professors: Edwards, Greeneth, Schoenberger, Spital, Warren.

**100 ENERGY AND ENVIRONMENT 3 US-C F, S**  
*For non-science maj. Formerly SCIENCE AND SOCIETY.*

Scientific and technological aspects of social problems, emphasizing the energy crisis and related issues.

**101 INTRODUCTION TO ASTRONOMY 3 US-C F, S**  
*For non-science maj.*

Basic astronomy and relation of astronomy and space travel to other human endeavors.

**102 ASTRONOMY LABORATORY 1 US-C**  
*PHY 101 or cons inst.*

Optional lab to complement and extend concepts developed in PHY 101.

**105 FUNDAMENTALS OF PHYSICS 4 US-C F, S**  
*HS Algebra or MAT 107. Clsd if had PHY 106, 108, 110 or equiv. For non-science maj. Lecture and laboratory.*

Applications of the principles of physics to everyday living.

**108 GENERAL PHYSICS 5 US-C F, S**  
*MAT 107 or 2 sem HS Algebra. Clsd if had PHY 110 or equiv. Lecture and laboratory. First sem of a two-sem sequence.*

Mechanics, wave motion, sound, heat.

**109 GENERAL PHYSICS 5 US-C F, S**  
*PHY 108. Clsd if had PHY 111 or equiv. Lecture and laboratory. Continuation of PHY 108.*

Magnetism, electricity, electronics, optics, and radiation.

**110 GENERAL PHYSICS 5 US-C F, S**  
*MAT 115 or 135 or conc reg. Clsd if had PHY 108 or equiv. Lecture and laboratory.*

Same as PHY 108 utilizing concepts of calculus.

**111 GENERAL PHYSICS 5 US-C F, S**  
*PHY 110 and MAT 116 or 136 or conc reg. Clsd if had PHY 109 or equiv. Continuation of PHY 110.*

**201 MODERN ASTRONOMY 3 US-C S**  
*PHY 101 and HS Algebra. Clsd maj min in PHY or physical science.*

Student-selected topics examined in light of related physical laws. Results of current space programs.

**220 MECHANICS 3 F**  
*PHY 109 or 111 and MAT 116 or 136.*

Particle kinematics and dynamics, oscillations, central force motion, rigid body dynamics.

**225 THERMAL PHYSICS 3 S**  
*PHY 109 or 111 and MAT 116 or 136 or conc reg.*

Thermodynamics, kinetic theory and statistical mechanics with applications to physics, chemistry, biology and engineering.

**230 OPTICAL PHYSICS 3 F**  
*PHY 109 or 111 and MAT 116 or 136.*

Doppler and Huygen's principles, lenses, dispersion, interference, electromagnetic theory.

**240 ELECTRICITY AND MAGNETISM 3 F**  
*PHY 109 or 111 and MAT 116 or 136.*

Electrostatics, electric and magnetic fields, AC and DC circuits, Maxwell's equations.

**252 MODERN PHYSICS 3 S**  
*PHY 109 or 111 and MAT 116 or 136.*

Atomic and molecular physics; introduction to relativity, quantum theory and solid state physics.

**270 ADVANCED LABORATORY IN PHYSICS 1-2 F, S**

*Six hours of 200-level PHY theory courses or cons inst. Max of 4 hrs may be applied toward maj in PHY.*

Use of precision instruments and performance of fundamental experiments.

**290 RESEARCH IN PHYSICS 1-3 F, S**  
*20 hrs PHY or cons dept chrpn. May be repeated. Max 3 hrs. 3 hrs conference, laboratory or library research per week for each hr of credit.*

Development of better understanding of significance of research in physics through study of a research problem.

**300 BASIC CONCEPTS OF PHYSICS 3**  
*HS Algebra. Clsd maj min in PHY or physical science.*

Basic treatment of physics for teachers of elementary science.

**301 PROBLEMS IN THE TEACHING OF HIGH SCHOOL PHYSICS 3 F, S**

*16 hrs in PHY or cons inst. Does not apply toward maj in PHY or physical science non-tchr program.*

Modern methods and problems confronting teachers of high school physics.

**302 MUNICIPAL AND INDUSTRIAL SCIENCE 3**

*PHY 111, CHE 141, 6 hrs in CHE or PHY at 200 level.*

Field trips to municipal and industrial facilities, with coordinated lectures and discussion.

**315 ASTROPHYSICS 3 S**  
*PHY 109 or 111 and MAT 116 or 136.*

Planetary and stellar astronomy; structure and evolution of stars and galaxies; cosmology.

**320 MECHANICS 3**  
*PHY 220 and MAT 175 or 340.*

Transformations of coordinate systems; oscillations; calculus of variations; Lagrangian and Hamiltonian dynamics; rigid body dynamics; classical wave equation.

**340 ELECTRICITY AND MAGNETISM 3 S**  
*PHY 240.*

Boundary value problems; electrical measurements; electromagnetic waves; selected topics.

- 384 INTRODUCTION TO QUANTUM MECHANICS 3 F**  
*PHY 252 and MAT 340.*  
 Mathematical formulation of quantum theory and applications to simple systems.
- 385 ADVANCED MODERN PHYSICS 3 S**  
*PHY 384 or PHY 252 and cons inst.*  
 Atomic and nuclear physics, electromagnetic radiation, radioactivity, nuclear reactions.
- 387 METHODS OF MATHEMATICAL PHYSICS 3 F**  
*PHY 220 and 240 or cons inst.*  
 Vector calculus; partial differential equations of science and engineering; Fourier series and integrals; complex variables.

# Political Science

**Chairperson:** Hibbert R. Roberts, 306 Schroeder Hall.  
**Programs:** Identical liberal arts and teacher education major and minor in **Political Science**. Also, interdisciplinary comprehensive major in **Social Sciences** available combining work Economics, History, Political Science, and Sociology.  
**Faculty:** Professors: Kohn, H. Roberts, Zeidenstein. Associate Professors: Chung, Honan, Mead, Verner. Assistant Professors: Byman, Chandler, Eimermann, Gordon, Gueguen, Hunt, Kiser, Monroe, F. Roberts, Schauer, Wilson, Zins. Instructor: Muego. Lecturer: Maye.

In meeting program requirements in Political Science, the student should note that the courses are considered in areas, as follows:

I. Political Philosophy, Theory, and Methodology, 109, 262, 263, 264, 313, 362, 363, 364, 397.

- II. American Politics: 105, 211, 213, 215, 217, 221, 222, 229, 310, 312, 321, 329.
- III. Comparative Politics: 141, 241, 242, 243, 244, 245, 306, 344, 345, 346, 347, 348.
- IV. International Relations: 251, 252, 253, 351, 354, 356.
- V. Public Law and Public Administration: 231, 315, 316, 317, 330, 331, 381, 390, 391.
- 105 AMERICAN GOVERNMENT AND POLITICS 3 US-D F, S**
- 109 INTRODUCTION TO POLITICAL INQUIRY 3 US-D F, S**  
*POS 105 rec.*  
 Acquaints the beginning student with major issues, systematic approaches, and research techniques involved in the study of politics.
- 141 COMPARATIVE EUROPEAN GOVERNMENT 3 US-D F, S**  
 Structure, function, and political processes of European governments. Emphasis on Britain, Soviet Union, France, and West Germany.
- 211 AMERICAN POLITICAL PARTIES 3 US-D S**
- 213 CONGRESSIONAL POLITICS 3 US-D F, S**  
 Major congressional institutions and proposals for their reform, primarily through play of classroom game-simulations.
- 215 AMERICAN JUDICIAL PROCESS 3 US-D F, S**  
 Introduction to the major elements of the judicial system: police, lawyers, juries, and judges. Concentrates on organization and behavior.





**217 AMERICAN PRESIDENCY 3 US-D S**  
The presidency is examined pre-eminently as an office of political influence, decision-making, and policy implementation.

**221 AMERICAN STATE AND LOCAL GOVERNMENT 3 US-D F, S**  
Structures and functions of state and local governments. Includes discussion of comparative state and local politics and policy outputs.

**222 URBAN POLITICS AND PROBLEMS 3 US-D F, S**  
A systems analysis of the processes and interactions of the environmental, social, economic, and power components of urban political systems.

**229 AMERICAN POLITICAL EXTREMISM 3 US-D F**  
Examination of extremists, individuals, and movements in America; special emphasis on the present.

**231 PUBLIC ADMINISTRATION 3 US-D F, S**  
Mission, structure, function, politics, and public policy development of public administration, including parameters of public finance and personnel.

**241 BRITISH GOVERNMENT 3 US-D**  
Intensive study of the structure and process of the government of Britain and its political process.

**242 SOVIET GOVERNMENT AND POLITICS 3 US-D F, S**

**244 POLITICS OF DEVELOPING AREAS 3 US-D F**  
Analysis of the political systems of newly industrializing societies — primarily of Asia, but also of Latin America and Africa.

**245 REVOLUTIONARY LEADERSHIP 3 US-D S**  
*May be repeated.*  
Investigation of the role of revolutionary leaders in the independence movements and political development of emerging nations.

**251 INTERNATIONAL RELATIONS 3 US-D F, S**  
Examination of the international political system; focuses upon factors that influence inter-nation behavior.

**252 INTERNATIONAL ORGANIZATIONS 3 US-D S**  
Introduction to the role of international organizations in world affairs and policies of individual nations and private groups.

**253 FOREIGN POLICIES OF MAJOR POWERS 3 US-D F**  
A comparative analysis of the objectives, formulation, and implementation of foreign policies of the U.S., U.S.S.R., China, and other powers.

**262 MODERN POLITICAL PHILOSOPHY 3 US-D F, S**  
From Machiavelli through Marx.

**263 COMMUNIST POLITICAL THOUGHT 3 US-D F, S**

**264 PERSONALITY AND POLITICS 3 US-D F, S**  
Introductory consideration of psychological factors useful for the analysis of political behavior.

**306 REGIONAL AND AREA STUDIES 1-9 US-E**  
*Cons inst. Usually given cooperatively with other depts.*  
Intensive study of particular lands, environments, cultures, and peoples.

**310 VOTING AND ELECTIONS 3 US-D F**  
Intensive investigation of U.S. voting behavior and electoral process; includes instruction in analysis techniques.

**312 PUBLIC OPINION 3 US-D F, S**  
*POS 105 or SOA 106.*

**313 COLLECTIVE DECISION-MAKING 3 US-D S**  
Game theory approach to decision-making in large groups, including legislatures, unions, oligopolies, bureaucratic organizations, and inter-nation negotiations.

**315 CONSTITUTIONAL LAW: FUNCTIONS AND POWERS 3 US-D S**  
Major Supreme Court decisions on federalism, separation of powers, taxation, commerce, voting, and citizenship.

**316 CONSTITUTIONAL LAW: CIVIL LIBERTIES 3 US-D F**  
Major Supreme Court decisions involving rights of the accused, discrimination, free expression, and freedom of religion.

**317 POVERTY LAW 3 F, S**  
An examination of political and legal responses to the problems of the poor. Major legal innovations in landlord-tenant, consumer, and welfare rights are studied.

**321 COMMUNITY POWER AND POLITICS 3 F, S**  
Introduction to community research techniques. Substantive analysis of community power studies. Emphasis on local government structure and politics and the structure and politics of community social services.

**329 INTERGOVERNMENTAL RELATIONS 3 US-D F**  
Federalism in theory and practice, focusing on U.S.; politics and policy in intergovernmental contexts; recent initiatives and current problems.

**330 PROBLEMS OF PUBLIC ADMINISTRATION 3 US-D F, S**  
Varied approaches to problems relevant to public policy, organization development, management, staff, or personnel concerns, or applied behavioral techniques.

**331 PUBLIC PERSONNEL ADMINISTRATION 3 US-D**  
The personnel process in American bureaucracy: matching the individual and the job; employer-employee relations; employee motivation; problems and prospects.

**344 POLITICAL DEVELOPMENT AND NATION BUILDING 3 US-D F, S**  
Analysis of newly industrializing societies, featuring discussion of major social and psychological theories of political change and development.

**345 ASIAN POLITICS 3 US-D**  
*May be repeated.*  
Comparative studies in the government and politics of selected Asian nations.

**346 CENTRAL AMERICAN POLITICS 3 US-D**  
Politics of Central American integration and politics of the six countries of the Isthmus.

**347 SOUTH AMERICAN  
POLITICS 3 US-D**

Politics of development and regional integration in South America, using selected countries as examples.

**348 VIOLENCE AND  
MODERNIZATION 3 US-D**

Theoretical analysis of major political "breakdowns" (turmoil to civil war) in contemporary societies, particularly those in the developing world.

**351 INTERNATIONAL LAW 3 US-D S**

Political nature, legal principles, and juridical procedures and cases of contemporary international law.

**354 SOVIET FOREIGN  
POLICY 3 US-D F, S**

**356 AMERICAN FOREIGN  
POLICY 3 US-D F, S**

**362 CLASSICAL POLITICAL  
PHILOSOPHY 3 US-D F, S**

Introduction to the origin and development of inquiry about man's life in political association.

**363 AMERICAN POLITICAL  
THEORY 3 US-D F, S**

*Previous exposure to political theory assumed.*  
Political ideas of recent and contemporary American thinkers.

**364 CONTEMPORARY POLITICAL  
THOUGHT 3 US-D F, S**

Survey of major political theories between the end of the 19th century (since Marx) and the present.

**381 INTRODUCTION TO  
PARALEGALISM 3 F, S**

*Cons inst.*  
An analysis of the role of paralegals in the judicial process, and a study of the paralegal skills necessary to qualify for participation in POS 391.

**390 PUBLIC SERVICE INTERNSHIP 1-6 F, S**

*Cons inst.*  
Planned, supervised experience in a governmental or community organization, providing on-the-job training and introduction to public service careers.

**391 PARALEGAL INTERNSHIP 1-6 F, S**

*POS 381 and cons inst. May be repeated. Max 6 hrs.*  
The course provides field experience for students working in internships involving paralegal skills.

# Psychology

**Chairperson:** Walter H. Friedhoff, 435 DeGarmo Hall.  
**Programs:** Major and minor in **Psychology** and **Psychology Education**.

**Faculty:** Professors: Brown, Cashen, Crist, Fitzpatrick, Friedhoff, Gnagey, Hogan, Jacks, Lemke, McCoy, Ramseyer, Uehling, Vernon. Associate Professors: Carrington, Chesebro, Clark, Gamsky, Grupe, J. Johnson, Lamb, Leicht, Lewis, Schmaltz, Schmidt, J. Williams, M. Williams. Assistant Professors: Berk, Chalmers, Cooper, Gill, Gilmore, Godow, Goebel, Goldstein, Hutter, Jones, Jorgenson, McGrath, Moore, Pollack, Redding, Rumery, Silver, Smith, Sodetz, Vinitsky, Waimon. Instructors: Harris, R. Johnson. Lecturer: Adler.

**111 GENERAL PSYCHOLOGY 3 US-D F, S**  
*Students may be expected to participate in experiments.*

Introduction to the discipline of psychology as the scien-

tific study of behavior with emphasis on general principles.

**112 CHILD AND ADOLESCENT  
DEVELOPMENT 3 US-D F, S**  
*PSY 111.*

Physical, social, emotional and mental development of the child from conception through adolescence.

**131 SOCIAL PSYCHOLOGY 3 US-D F, S**  
*PSY 111 or SOA 106. Also offered as SOA 131.*

Scientific study of behavior as influenced by other individuals; communication, motivation, differential social and cultural factors in personality; social interaction.

**201 PSYCHOLOGICAL PRINCIPLES  
APPLIED TO CORRECTIONAL  
REHABILITATION 3 F, S**  
*COR 101, PSY 111. Also offered as COR 201.*

Psychological concepts related to the behavior and treatment of offenders.

**215 EDUCATIONAL  
PSYCHOLOGY 3 F, S**

*PSY 111. Clsd if had C&I 210. Course is offered on a credit/no credit basis only. Designed for prospective high school teachers.*

Application of psychology to education covering human learning in school setting; evaluation and measurement of learning outcomes, developmental factors and learning, and social factors of learning.

**230 BUSINESS AND INDUSTRIAL  
PSYCHOLOGY 3 F, S**

*PSY 111.*  
Behavioral factors related to business and industry. Personnel practices, individual-group interaction, leadership and morale, fatigue and safety and consumer behavior.

**232 PERSONALITY 3 US-D F, S**  
*PSY 111. Formerly PSYCHOLOGY OF ADJUSTMENT.*

Representative personality theories and how they interact in today's society with normal and pathological patterns and the modification of these patterns.

**290 SPECIAL PROJECTS 1-6 F, S**  
*Cons dept chrpn and inst.*

Majors in psychology can pursue areas of special interest independently and/or work on special projects. Community as well as University facilities are available.

**292 PSYCHOLOGY SEMINAR 2**  
*Senior standing, maj or min only.*

Detailed study of specific area within the discipline.

**301 DEVELOPMENTAL  
PSYCHOLOGY I 3 F, S**

*PSY 111.*  
Motor, cognitive, and emotional development and personality growth of children, birth through pre-adolescence.

**302 DEVELOPMENTAL  
PSYCHOLOGY II 3 F, S**

*PSY 111.*  
Motor, cognitive, and emotional development and personality growth of the adolescent.

**305 PSYCHOLOGY OF WOMEN 3 S**  
*PSY 111.*

An examination of psychological research to place in scientific perspective the etiology and behavioral consequences of female and male-oriented attitudes.

**320 HISTORY AND SYSTEMS OF  
PSYCHOLOGY 3 F, S**  
*12 hrs of PSY.*

Historical antecedents of modern psychology, beginning



with Aristotle. Examination of modern psychology from a systematic point of view.

**330 EXPERIMENTAL PSYCHOLOGY I 3 F, S**  
*PSY 111. Conc reg in PSY 340 rec.*

Philosophy of science and inquiry with emphasis on experimental methodology and some application of principles through laboratory experimentation and demonstrations.

**331 STUDIES IN EXPERIMENTAL PSYCHOLOGY 3 F, S**  
*PSY 330, 340, or cons inst. May be repeated if content different.*

Individualized research course focusing on particular content areas. Sections concentrate in different areas.

**333 EXPERIMENTAL ANALYSIS OF BEHAVIOR 3 F, S**  
*PSY 111.*

Principles, analysis, and control of human behavior with emphasis on operant and respondent conditioning as means of affecting behavior change.

**334 PSYCHOLOGICAL MEASUREMENT 3 F, S**  
*PSY 111.*

Selection and interpretation of psychological tests, with emphasis on basic theory. Tests are considered as indicators of constructs as well as in decision situations.

**335 INTRODUCTION TO MATHEMATICAL PSYCHOLOGY 3 S**  
*PSY 111 and MAT 110 or 120.*

Role of mathematics in psychological theory. Application of mathematical models in measurement, learning, perception and choice.

**340 STATISTICS I 3 F, S**  
*PSY 111 or SOA 106. Also offered as C&I 340 and SOA 340.*

Application and interpretation of basic statistics used in the behavioral sciences: Descriptive statistics, simple hypothesis testing and two-variable regression.

**346 PSYCHOLOGY OF EXCEPTIONAL CHILDREN 2 F, S**  
*PSY 301 or 302 or C&I 210 or cons inst.*

Intellectual, emotional, physical, or social deviations in individuals which create a need for modifications in their education, training, as well as treatment.

**347 BEHAVIOR DISORDERS IN CHILDREN 3 F, S**  
*PSY 111.*

Medical, psychological, sociological aspects of behavioral disorders of children.

**348 MENTAL RETARDATION 3 F, S**  
*PSY 215 or C&I 210.*

Medical, psychological and sociological characteristics and behavior of the mentally retarded. Methods of classification, causes and rehabilitative aspects.

**350 PSYCHOPATHOLOGY 3 F, S**  
*12 hrs of PSY.*

Behavior disorders; neuroses, psychoses, character disorders, mental deficiencies, and other psychopathological conditions.

**352 HUMAN ABILITIES 3 F**  
*PSY 334.*

Nature, assessment and organization of human abilities. Empirical and theoretical analysis of genetic and environmental factors in development of abilities.

**360 LEARNING 3 F, S**  
*PSY 111.*

Experimental data bearing on the problem of human learning; learning theory; learning data and theory in relation to the problems of the teacher.

**361 PERCEPTION 3 F, S**  
*9 hrs of PSY.*

Cognitive processes and their relationship to other processes. Relationship of sensation, attention, and memory to perception and factors influencing perception.

**363 PHYSIOLOGICAL PSYCHOLOGY 3 F, S**  
*9 hrs of PSY and BSC 100.*

Neurophysiological and biochemical substrates of behavioral processes including sensori-motor, perceptual, motivational, emotional and intellectual behaviors.

**364 MOTIVATION 3 F, S**  
*9 hrs of PSY.*

Evolution of basic concepts leading to contemporary explanation of determiners of action with application to vocational, social and educational areas.

**365 DYNAMICS OF SOCIAL BEHAVIOR 3 F, S**  
*PSY 131.*

An overview of the explanations for various aspects of social behavior, e.g., interaction, attitudes, person perception, etc.

## Recreation and Park Administration

See Health, Physical Education and Recreation

## Sociology-Anthropology

**Chairperson:** Edward Jelks, 206 Schroeder Hall.

**Programs:** Identical liberal arts and teacher education majors and minors in **Sociology** and in **Anthropology**. The Sociology major provides an opportunity for an emphasis in the area of Social Work. Also, interdisciplinary comprehensive major in **Social Sciences** available combining work in Economics, History, Political Science, and Sociology.

**Faculty: Sociology:** Professors: Davis, Grupp, Hickrod, Keeley, Pohlmann, Schmitt, Thomas. Associate Professors: Baker, Lee, Walsh. Assistant Professors: Bondavalli, Clifton, Dale, Eaton, Ferrell, C. Griffin, Hintz, Kennedy, Leonard, Pocs, Stivers, Tolone. Instructors: Bakshis, B. Griffin, P. Haynes. Faculty Assistants: Onuma. Executive Assistant: Urton. **Anthropology:** Professor: Jelks. Assistant Professors: M. Calavan, Dirks, Nickels, Reyman. Adjunct Assistant Professor: K. Calavan. **Social Work:** Associate Professors: Moran, Pratt, Shimer. Assistant Professors: Kagle, Spurling.

## Sociology

**106 INTRODUCTION TO SOCIOLOGY 3 US-D F, S**

Structure and dynamics of human society. Concepts of culture, socialization, stratification, collective behavior, family, minority relations, population, crime.

**107 SOCIAL PROBLEMS 3 F, S**  
*SOA 106.*

The scientific study of social problems. Topics to be discussed: intro to social problems, mental disorders, drugs and alcohol, crime and delinquency, sexual deviance, in-

equality, family disorganization, work, community disorganization, violence, population crisis, and environmental crisis.

- 131 SOCIAL PSYCHOLOGY 3 US-D**  
*SOA 106 or PSY 111. Also offered as PSY 131.*  
 Scientific study of behavior as influenced by other individuals; communication, motivation, differential social and cultural factors in personality; social interaction.
- 260 SOCIAL STRATIFICATION 3 US-D F, S**  
*SOA 106. Formerly SOA 160.*  
 Theories and character of social class systems, differential class behavior, mobility, power relationships, and caste and estate systems.
- 261 THE COMMUNITY 3 US-D F, S**  
*SOA 106.*  
 Structure and function of the community. Changes in community; power, leadership, community organization.
- 262 MARRIAGE AND THE FAMILY 3 US-D F, S**  
*SOA 106.*  
 The study of marriage and the family as social institutions.
- 263 DEVIANT BEHAVIOR 3 US-D F, S**  
*SOA 106.*  
 Origins and control of deviant behavior: functions and deviance, and reabsorption of the deviant.
- 264 MINORITY PEOPLES 3 US-D F, S**  
*SOA 106.*  
 Ethnic, racial, and other minority groups. Problems arising from fusion of cultures such as prejudice and discrimination; interpretation of values.
- 267 POPULATION 3 US-D F, S**  
*SOA 106.*  
 Factors affecting population changes; migration, birth and death rates; population numbers and quality; significance of population size, growth, and decline for society.
- 268 SOCIOLOGY OF RELIGION 3 US-D F, S**  
*SOA 106.*  
 Functions and origins of religion; impact of religion on individual, society and culture: social forces affecting religion.
- 332 SMALL GROUPS 3 US-D F, S**  
*SOA 131 or PSY 131.*  
 Conditions affecting interaction in small groups, the small group as an ongoing social system. Limited research project.
- 333 SOCIALIZATION OF THE INDIVIDUAL 3 F, S**  
*SOA 106 or PSY 111.*  
 A social psychological approach. Childhood and adulthood socialization are examined from the perspectives of symbolic interactionism, role theory, reference group theory, and self theory. Pragmatic implications are considered.
- 340 STATISTICS I 3 F, S**  
*SOA 106 or PSY 111. Also offered as C&I 240 and PSY 340.*  
 Application and interpretation of basic statistics used in the behavioral sciences; descriptive statistics, simply hypothesis testing and two-variable regression.
- 341 SOCIOLOGY OF SEX ROLES 3 F, S**  
*SOA 106 or PSY 111.*  
 Application of culture concepts, status, role and self con-

cepts, and socialization concepts toward the explanation of sex differences in social behavior. Institutionalized and social change processes are examined.

- 342 HUMAN SEXUALITY 3 F, S**  
*SOA 106 or PSY 111.*  
 The sociological, psychological, and physiological aspects of human sexuality. Societal norms and values; female-male attitudes; actual behavior; variance and disorders; myths and fallacies.
- 350 SOCIOLOGY OF EDUCATION 3 F, S**  
*SOA 106.*  
 Sociological perspective on educational systems. Relationship of the educational system to other institutions, organizational characteristics and social factors influencing behavior of students.
- 365 JUVENILE DELINQUENCY 3 F, S**  
*SOA 263.*  
 Delinquency as a social and legal problem; theories of delinquency, the juvenile court; prevention and treatment.
- 366 CONTEMPORARY SOCIAL MOVEMENTS 3 F, S**  
*SOA 106.*  
 Patterns of collective behavior; structure and functions of social movements. Examination of several social movements, analysis of morals, leadership and control.
- 367 CRIMINOLOGY 3 F, S**  
*SOA 263.*  
 Criminological theory and practice. Crime as a social and legal problem. The administration of justice.
- 369 SOCIAL CHANGE 3 F, S**  
*SOA 106 or cons inst.*  
 An investigation of social change theory; case studies of change in developing societies undergoing "modernization"; the dynamics and consequences of planned social change.
- 370 HISTORY OF SOCIOLOGICAL THOUGHT 3 F, S**  
*SOA 106.*  
 Analysis and appraisal of classical works in sociology from mid-nineteenth century to the present.
- 371 INTRODUCTION TO SOCIOLOGICAL RESEARCH 3 F, S**  
*SOA 106.*  
 Convergence of theory and research; design of inquiry, measurement, survey design, data collection, analysis and interpretation. Research projects are part of the course.

## Anthropology

- 180 INTRODUCTION TO CULTURAL ANTHROPOLOGY 3 US-D F, S**  
 Examination of human culture in past and present societies.
- 182 PRINCIPLES OF BIO-ANTHROPOLOGY 3 US-D F, S**  
*Formerly: INTRODUCTION TO PHYSICAL ANTHROPOLOGY.*  
 Introduction to the evolutionary and biological nature of man: physical attributes, primate and human evolution, human variation and adaptation, and the interrelationship of human biology and behavior.



**183 PRINCIPLES OF  
ARCHAEOLOGY 3 US-D F**  
SOA 180 or 182.

Principles, methods and techniques of locating and excavating archaeological sites, interpreting archaeological data, and reconstructing culture history.

**280 ARCHAEOLOGY OF THE  
MIDWEST 3**  
SOA 183.

Prehistoric Indian populations of the Midwestern United States, including Paleo-Indian, Archaic, Woodland, and Mississippian peoples, from late Pleistocene to the historic period.

**281 PRINCIPLES OF  
ETHNOLOGY 3 US-D F**  
SOA 180.

Theory and method in cross-cultural analysis.

**282 URBAN ANTHROPOLOGY 3 US-D S**  
SOA 180 or cons inst.

Theory and research in urban anthropology; migration and urbanization in Western and non-Western societies.

**283 PREHISTORY OF  
NORTH AMERICA 3 US-D F**  
SOA 180.

Prehistoric cultures of North America, from late Pleistocene to the occupation of the continent by Europeans. Origin and development of cultural patterns traced; current problems examined.

**285 ETHNOGRAPHIC SURVEY 3 S**  
SOA 180.

A descriptive approach to the study of non-Euro-American ethnographic topics including the in-depth consideration of selected cultural groups.

**286 THE EVOLUTION OF MAN 3 F**  
SOA 182.

A detailed survey of the principle fossil discoveries, controversies, and proposed models of human biological evolution.

**306 REGIONAL AND AREA  
STUDIES 1-9 US-E F, S**  
Cons of inst. Usually given cooperatively with other departments.

Directed research in any of the subdisciplines in anthropology.

**380 KEY CONCEPTS IN  
ANTHROPOLOGY 3 F, S**  
SOA 180, 182, 183, 285, 286 or cons inst. Formerly HISTORY OF ANTHROPOLOGICAL THOUGHT.

Anthropological thought from historical, systematic and applied viewpoint; emphasis on changing content, concepts, methods of the discipline.

**381 ECONOMIC  
ANTHROPOLOGY 3 US-D F**  
SOA 180.

Non-Western economic systems.

**382 THE AMERICAN INDIAN 3 US-D S**  
SOA 180.

Comparative survey of selected historic and modern Native American cultures.

**383 STUDIES IN SELECTED  
CULTURES 3 F**  
SOA 180. Formerly SELECTED STUDIES IN CULTURE AREAS.

Culture patterns of selected areas. Physical characteristics, history, social, political, intellectual life, cultural change of aboriginal people.

**384 AFRO-AMERICAN  
ADAPTATIONS 3 S**  
SOA 180.

A comparative study of Afro-American populations in a variety of ecological niches throughout the New World. The styles, strategies, and traditions of Afro-America, both historical and contemporary are analyzed in relation to tribal, peasant, and proletariat communities.

**385 POLITICAL ANTHROPOLOGY 3 S**  
SOA 180.

Comparative data drawn from non-human primate behavior, tribal societies, and non-Western states.

**386 CULTURES OF  
SOUTHEAST ASIA 3 US-D F**  
SOA 180. Formerly SOA 284.

Patterns of prehistory, history, economics, religion, and daily life in Southeast Asia.

**388 HISTORICAL ARCHAEOLOGY 3 S**  
SOA 183 or cons inst.

Research methods of historical archeology reviewed, and the principles that underlie the methods examined critically. A local historic site is thoroughly studied as a class project.

## Social Work

**221 INTRODUCTION TO  
SOCIAL WELFARE 3 F, S**  
SOA 106, PSY 111.

Origins and development. Impact of social sciences and factors affecting social welfare programs, policies, and legislation. Social work as a profession; overview of casework, group work, and community organization.

**222 SOCIAL WELFARE POLICY  
AND SERVICES 3 F, S**  
SOA 106, PSY 111. Formerly SOCIAL WORK II — SOCIAL WELFARE FIELDS.

Philosophical and historical perspectives of social welfare services, and social work practice. Descriptive, analytical, and critical analysis of social welfare programs, policies, and issues.

**323 CHILD WELFARE  
SERVICES 3 F, S**  
SOA or SED maj. Formerly SOCIAL WORK III — CHILD WELFARE SERVICES.

It is recommended that this course be taken before SOA 368 if the student wishes placement in a child-serving agency. Services for dependent, neglected, and handicapped children.

**324 GROUP WORK AND  
COMMUNITY WORK 3 F, S**  
SOA 221.

Methods, skills, and problems relevant to an associate level of social work practice in community work and group work.

**325 SOCIAL WORK METHODS 3 F, S**  
SOA 221 cons soc wk adv. Formerly SOCIAL WORK IV — PROBLEMS IN SOCIAL CASEWORK.

Basic theory, values, and beginning skills development generic to social work practice at individual, group, and community levels.

**368 SOCIAL WORK FIELD  
INSTRUCTION 3-10 F, S**  
SOA 221, 325. Conc reg in SOA 323 permitted with cons soc wk adv. Formerly SOCIAL WORK INTERVENTION METHODS.

Supervised field instruction and practice in social work methods with individual, groups, and communities in a social welfare agency.

# Special Education

**Chairperson:** Harold R. Phelps, 110 Fairchild Hall.  
**Programs:** Teacher education major offered in **Special Education** which provides opportunity for specialization in one of six areas: (1) deaf and hard of hearing, (2) maladjusted, (3) mentally retarded, educable, (4) mentally retarded, trainable, (5) physically handicapped, and (6) visually handicapped, blind and partially-seeing.  
**Faculty:** Professors: Fergen, Hage, Hemenway, Phelps, Price, Rex. Associate Professors: Bommarito, Caldwell, Diaz, Stearns. Assistant Professors: Bauer, Beckman, Blackley, Bowen, DeGrandpre', Lee, McAnally, Nezol, Starzinger, Stephens, Tasker, Thuis, Woodson. Instructors: Cassens, D. Clark, J. Clark, Foltz, Gottlieb, Nash, Noyes, Paarlberg, Smithson. Lecturers: Appeldoorn, Gray, Jarrett, Langan, Phillips. Faculty Associates: Ash, Bayston, Brown, Hain, Hildreth, Salome. Adjunct **Faculty:** Beeney, Boker, Butterweck, Byers, Coyle, Falk, Hall, Mork, Sessions.

- 145 **INTRODUCTION TO SPECIAL EDUCATION** 3 F, S
- 245 **FIELD WORK IN SPECIAL EDUCATION** 1-6 F, S  
*Cons inst and dept chrpn. May be repeated.*  
 Supervised experiences in special education programs in day schools, clinical facilities, community agencies, residential institutions.
- 301 **LABORATORY READING METHODS** 3 F, S  
*C&I 220. Three double periods per week.*  
 Techniques of diagnosis and instruction for special cases of severe reading disability.
- 307 **EMPLOYMENT ANALYSIS FOR THE EXCEPTIONAL** 3 F, S  
*Also offered as IT 307.*
- 345 **SPECIAL CLASSES FOR THE TRAINABLE** 3 F, S  
*Observation and participation.*  
 Organization of educational programs for trainable mentally retarded.
- 346 **EDUCATION FOR THE MENTALLY RETARDED** 4 F, S  
*Observation and participation.*  
 Objectives, curriculum and methods for educable mentally retarded.
- 347 **EDUCATION OF THE NEUROLOGICALLY IMPAIRED** 2 F, S  
*Observation and participation.*  
 Educational adjustments for children with severe learning problems and/or perceptual dysfunction.
- 348 **EDUCATION OF GIFTED CHILDREN** 2 F, S
- 349 **EDUCATION OF PHYSICALLY HANDICAPPED** 2 F, S  
*BSC 381 or cons dept chrpn. Observation and participation.*  
 Educational programs for crippled and other health impaired children.
- 350 **INTRODUCTION TO VISUAL HANDICAPS** 3 F, S  
 Nature and needs of the visually handicapped, infants to adults.

- 351 **EDUCATION OF THE VISUALLY HANDICAPPED** 3 F, S  
*SED 350.*
- 352 **BRAILLE READING AND WRITING I** 3 F, S
- 353 **EDUCATION OF THE DEAF** 2 F, S  
 Psychological, social, and learning problems relating to education of the deaf and hard of hearing.
- 354 **THE TEACHING OF SPEECH TO THE DEAF** 4 F, S  
*SED 353. Observation and participation.*  
 Methods of developing speech in the preschool and school-age deaf child.
- 355 **THE TEACHING OF LANGUAGE TO THE DEAF** 4 F, S  
*SED 353. Observation and participation.*  
 Principles and techniques of teaching language to preschool and school-age deaf children.
- 356 **BRAILLE READING AND WRITING II** 3 F, S  
*SED 352.*  
 Designed to develop mastery of the braille mathematic code and materials format code.
- 357 **PRACTICUM IN CLINICAL TEACHING** 3 F, S  
*Observation and participation.*  
 Techniques in diagnosing and remediation of learning disabilities.
- 358 **EDUCATION OF SOCIALLY AND EMOTIONALLY DISTURBED** 2 F, S  
*PSY 347.*
- 359 **THE TEACHING OF READING AND ELEMENTARY SCHOOL SUBJECTS TO THE DEAF** 4 F, S  
*SED 353.*  
 Teaching reading to deaf at all elementary school levels. Methods of teaching subjects as arithmetic, social studies and science.
- 360 **ORIENTATION AND MOBILITY FOR CLASSROOM TEACHERS** 2 F, S  
 Practicum in basic daily living skills and rudimentary mobility techniques.

Speech  
 Communication  
 See Information Sciences

# Speech Pathology and Audiology

**Chairperson:** Martin A. Young, 204 Fairchild Hall.  
**Programs:** Teacher education comprehensive major in **Speech Pathology**. Non-teaching comprehensive major in **Audiology**. Students are advised that clinical certification in the field requires a master's degree.  
**Faculty:** Professors: Young. Associate Professors: Brunt, Hutchinson, Tannahill. Assistant Professors: Clark, Davidson, Howard, Hulit, LaBelle, Norris, Richards, Schiebel, Schow, Thomley. Instructors: Hoover, Hunt, Matthis.



**112 SURVEY OF SPEECH AND HEARING DISORDERS 3 US-D F, S**  
*Formerly PAS 212.*

Current theories of speech production and reception. Designed for parents and teachers. Includes habilitative and rehabilitative procedures.

**114 VOICE AND ARTICULATION 3 F, S**  
 Voice, speech sounds, and the patterns of standard American English. Practice in achieving optimal use of the speech mechanism in the process of oral communication.

**115 INTRODUCTION TO HUMAN VERBAL DEVELOPMENT 3 US-E F, S**  
 The communication process; emphasis on opportunities for maximum stimulation of speech and language development in children.

**120 SOUND AND MAN 3 US-E F, S**  
 Information from acoustics, psychology, physiology, linguistics, speech, and music engineering. Sound; role in man's endeavors, harmful effects, methods of control. Limited mathematical treatment.

**215 INTRODUCTION TO SPEECH PATHOLOGY 3 F, S**  
 Orientation to speech pathology profession. Introduction to voice and articulation problems.

**311 PHONETICS 3 F, S**  
 Sound system of American speech. Standard and non-standard variations. Articulatory and acoustic considerations. Practice in transcribing and reading phonetic symbols.

**316 INTRODUCTION TO ORGANIC DISORDERS OF SPEECH 3 F, S**  
*PAS 215.*  
 Speech disorders related to structural, neurological, and endocrine pathologies. Diagnostic and remedial procedures.

**317 PRACTICUM IN SPEECH PATHOLOGY 1/2-1 F, S**  
*PAS 215, 311, and cons inst. May be repeated. Max 2 hrs.*  
 Approximately 45 hours of supervised clinical practice for each semester hour.

**318 ORGANIZATION OF SPEECH, HEARING AND LANGUAGE PROGRAMS 3 F, S**  
*Cons inst.*  
 Professional attitudes, ethics, and organizations. Setting up and maintaining programs. Evaluation, therapy techniques, materials applicable to school settings. Relationships to school and community agencies.

**319 STUTTERING I 3 F, S**  
*PAS 215 or cons inst.*  
 Nature and history of the problem. Current models of onset, development and management.

**320 SPEECH AND LANGUAGE DEVELOPMENT 3 F, S**  
 Comprehensive study of acquisition of speech and language by children. Emphasis on first six years.

**350 AUDIOLOGY I 3 F, S**  
 Principles of hearing measurement: sound, human ear, test methods, hearing losses, screening methods, test interpretation.

**351 SPEECH READING AND AUDITORY TRAINING 3 F, S**  
 Principles of habilitation/rehabilitation of communication disorders related to hearing impairment. Visual/auditory speech signals. Amplification: function/use.

**352 PRACTICUM IN SPEECH READING AND AUDITORY TRAINING 1/2-1 F, S**  
*PAS 351. May be repeated. Max 2 hrs.*  
 Approximately 45 hours of supervised clinical practice for each semester hour.

**357 PSYCHOLOGICAL IMPLICATIONS OF HEARING IMPAIRMENT 3 S**  
*PAS 350 or equiv.*  
 Hearing impairment: survey of behavior, intelligence and personality data, parental counseling.

**358 PRACTICUM IN BASIC AUDIOLOGY 1/2-1 F, S**  
*Cons inst. May be repeated. Max 2 hrs.*  
 Approximately 45 hours of supervised clinical practice for each semester hour.

**371 SPEECH SCIENCE 3 F, S**  
 Elementary acoustical theory and application to study of speech production and reception. Speech spectrography.

**372 ANATOMY AND PHYSIOLOGY OF THE SPEECH AND HEARING MECHANISM 3 F, S**  
*BSC 181.*  
 Includes effects of deviations on end product.

**398 INTRODUCTION TO GRADUATE STUDY IN SPEECH PATHOLOGY-AUDIOLOGY 3 F, S**  
 Introductory review of research strategy and philosophy in speech pathology-audiology for professionals who will be consumers of research literature.

## Theatre

**Chairperson:** Calvin Lee Pritner, 212 Centennial West.  
**Program:** Comprehensive major and minor in **Theatre**, which provides sequences in acting and directing or theatre production. Major and minor in **Theatre Education**.  
**Faculty:** Professors: Andreassen, Kirk, Lane, Pritner, Scharfenberg. Associate Professors: Bickley, Sharpham. Assistant Professors: Bank, Berkson, Bowles, Brandt, Cronauer, Stringer, Zvanut. Instructors: Aldrich, Brown, Halpin, Hawthorne, LaCasse, Ritch, Romeo, Schmidt, Vybiral.

**111 BASIC PRINCIPLES OF THEATRE 3 F, S**  
 Basic understanding and application of aesthetic and dramatic principles to be used in analysis of plays by director, actor, designer, technician, and costumer.

**116 PUPPETRY 3**  
*Also offered as ART 116.*

**125 INTRODUCTION TO COSTUME 3 F, S**  
*Lab arranged.*  
 Study and practical application of costume construction techniques and the study of basic costume design practice.

- 126 VOCAL/PHYSICAL TECHNIQUE I 3 F**  
Integrated approach to actor-training, focusing on the acquisition of specific vocal/physical techniques skills: self-awareness, voice/body development, improvisation, expression.
- 127 VOCAL/PHYSICAL TECHNIQUE II 3 S**  
*THE 126.*  
Further investigation and development of skills, experiences, methods and attitudes introduced in Vocal/Physical Technique I.
- 130 INTRODUCTION TO THE THEATRE 3 US-A F, S**  
Special attention to the productions being given during the semester.
- 131 INTRODUCTION TO ACTING 3 F, S**  
*Clsd maj min.*  
Introduction to process and nature of acting; variety of theatre experiences to encourage an understanding and appreciation of actor's craft.
- 134 BASIC ACTING 3 F, S**  
*Maj min only. Cons inst. May be repeated. Max 6 hrs.*  
Basic skills and concepts of acting.
- 135 ACTING: EXPLORING CHARACTERIZATION THROUGH ANIMAL EXERCISES 3 S**  
*THE 134 or equiv and cons inst. May be repeated.*  
Techniques of actor research and characterization.
- 136 ACTING STYLE: DISCOVERY AND PERFORMANCE 3 F, S**  
*THE 134 or equiv and cons inst. May be repeated.*  
Analysis, rehearsal and performance technique examined through the work of a particular playwright.
- 139 THEATRE ENCOUNTER 1-3 F, S**  
*May be repeated. Max 6 hrs. Formerly THE 239, DRAMATIC WORKSHOP.*  
Student-initiated projects in acting, directing, design, and playwriting presented and critiqued. Emphasis is on process rather than final product. Production source for Process Theatre.
- 141 ORAL INTERPRETATION OF LITERATURE 3 US-A F, S**
- 150 THEATRE PRACTICUM 1-2 F, S**  
*May be repeated.*
- 151 STAGECRAFT 3 F, S**  
*Lab arranged.*
- 159 INTRODUCTION TO FILM ART 3 US-A F, S**  
Artistic and social values of the cinema as a contemporary art form. Screening and discussion of selected films.
- 225 STAGE MAKE-UP 2 F, S**  
*THE 111, cons inst. Course fee required.*
- 230 ADVANCED ACTING 2**  
*Cons inst.*  
Students may repeat this course for a maximum of 8 hours of credit.
- 232 CREATIVE DRAMA 3 US-A F, S**  
*Observations and practical activities required. Credit does not apply to Elementary Education Program II requirements.*  
Theory and practice of creative drama in the classroom.
- 233 THEATRE FOR THE CHILD AUDIENCE 3**  
Studies in the selection and analysis of scripts; problems of directing and acting; special problems of productions.
- 237 PLAY DIRECTING 3 F, S**  
*THE 111, 151.*  
A workshop focusing on play analysis and basic staging techniques.
- 250 THE ARTS AND MODERN MAN 2 US-A S**  
Selected works from music, theatre, and visual arts.
- 251 TECHNICAL PROCEDURES 3 F, S**  
*Formerly ADVANCED STAGECRAFT.*  
Training in the methods and practices of stage management. Procedures and problems of technical production.
- 259 AESTHETIC EXPERIENCE 1 US-A F, S**  
*May be repeated. Max 3 hrs. Also offered as ART 259 and MUS 259.*  
One hour of credit is available on a credit-no credit basis for attendance at 15 fine arts events. One class meeting per week is used to introduce future events and analyze past events.
- 266 LIGHTING FOR STAGE AND TELEVISION 3 F**  
Instrumentation, aesthetics, application of theatrical and television lighting through classroom-laboratory study.
- 270 THE DOCUMENTARY IN FILM AND BROADCASTING 3 US-A S**  
*Also offered as SP 270.*  
Historical, philosophical, and theoretical consideration of documentary approach in films, television, and radio.
- 300 HISTORY OF THE CINEMA 3 US-B F, S**  
*Lab: screening of significant films.*  
Development of the cinema.
- 301 PRINCIPLES OF THEATRE EDUCATION 3 F, S**  
Philosophies of theatre education, teaching strategies, co-curricular programs, textbook analysis, and professional organizations.
- 302 CINEMA PRODUCTION 3**  
*Lab: produce 100 to 200 foot 16 mm silent motion pictures.*  
Principles and theory of 16 mm motion picture production. Major filmmaking as an art form of creative self-expression.
- 325 COSTUME CRAFTS 3**  
*THE 125, cons inst. Course fee required.*  
Theory and technique of costume construction and use of special materials.
- 326 VOCAL/PHYSICAL TECHNIQUE I 3 F**  
Integrated approach to actor-training, focusing on the acquisition of specific vocal/physical techniques skills: self-awareness, voice/body development, improvisation, expression.
- 327 VOCAL/PHYSICAL TECHNIQUE II 3 S**  
*THE 126 or 326.*  
Further investigation and development of skills, experiences, methods and attitudes introduced in Vocal/Physical Technique I.



**328 ADVANCED STUDIES IN VOCAL/PHYSICAL TECHNIQUE 3 F**

*THE 126 and 127, or 326 and 327 or equiv. May be repeated.*

Continued vocal/physical technique with emphasis on individual needs. Advanced problems: characterization, circus, ensemble, period/style movement, choreography, use of externals.

**330 ADVANCED STAGE LIGHTING 3 S**

*THE 162, 262 and cons inst.*

Lighting design for prescenum and non-proscenium production; attention to system design.

**331 STAGE DESIGN 3 S**

*Lab arranged. Formerly THE 231.*

Nature, function, and aesthetics of scene design, with practice in composition.

**332 ADVANCED CREATIVE DRAMA 3 F, S**

*THE 232, or C&I 250 or cons inst.*

In-depth work in creative drama. Includes drama experiences, examining theories, comparing teaching strategies, and developing curricula.

**333 CREATIVE DRAMA PRACTICUM 2-3 F, S**

*THE 232 or C&I 250 and cons inst.*

Students will gain practical experience in creative drama teaching by leading a class in drama under faculty supervision for a semester.

**334 HISTORY AND STYLES OF STAGE COSTUMING 3 F**

*THE 125. Lab arranged.*

The costume's reflection of cultural and social milieu, and the costume's application to the stage.

**335 ACTING: EXPLORING CHARACTERIZATION THROUGH ANIMAL EXERCISES 3 S**

*THE 134 or equiv and cons inst. May be repeated.*

Techniques of actor research and characterization.

**336 ACTING STYLE: DISCOVERY AND PERFORMANCE 3 F, S**

*THE 134 or equiv and cons inst. May be repeated.*

Analysis, rehearsal and performance technique examined through the work of a particular playwright.

**337 PROBLEMS IN DIRECTING 3 F**

*THE 237, cons inst. Lab arranged. May be repeated to total 6 hrs toward master's degree. MFA student may enroll for credit in each term of residency.*

An advanced workshop involving analysis, staging techniques, working with actors and rehearsal procedures.

**338 PROBLEMS IN ACTING 3**

*Cons inst. Laboratory. May be repeated to total 6 hrs toward master's degree. MFA student may enroll for credit in each term of residency. Formerly THE 336.*

**339 THEATRE ENCOUNTER 1-3 F, S**

*May be repeated to total 6 hrs. MFA student may enroll for credit in each term of residency. Formerly THE 239: DRAMATIC WORKSHOP.*

Student-initiated projects in acting, directing, design, and playwriting presented and critiqued. Emphasis is on process rather than final product. Production source for Process Theatre.

**340 ADVANCED DESIGN 3 F**

*THE 231. May be repeated to total 6 hrs toward master's degree. MFA student may enroll for credit in each term of residency.*

Intensive work in the areas of design and rendering for the stage; emphasis upon new materials and techniques.

**341 ORAL INTERPRETATION OF LITERATURE II 3 US-A S**

*THE 141.*

Selected types of literature; emphasis on drama and poetry.

**343 THEATRE HISTORY I 3 US-B F**

*Formerly THE 335.*

The study of drama in theatre history in the Western world from its origins to approximately 1600.

**344 THEATRE HISTORY II 3 US-B S**

*Formerly THE 333: MODERN DRAMA.*

The study of drama in theatre history in the Western world, from approximately 1600 to 1875.

**345 THE MODERN THEATRE 3 US-A F**

*Developments in stagecraft, directing, acting, and theatrical theory from late 19th century to present.*

**348 PLAYWRITING 3**

*Also offered as ENG 348.*

Playwriting techniques of selected masters with practical application of techniques in writing original plays.

**350 THEATRE PRACTICUM 1-3 F, S**

*May be repeated.*

Application of the principles of dramatic theory to the problems of play production.

**365 FILM THEORY AND CRITICISM 3 US-A S**

*THE 300, cons inst.*

Theories relating to art of film making.

**377 THEATRICAL COSTUME DESIGN 3 S**

*May be repeated to total 6 hrs toward master's degree. MFA student may enroll for credit in each term of residency.*

Research and practical application to theatrical costume designing; use of dramatic analysis.

**380 DIRECTED PROJECTS 1-3 F, S**

*Cons inst. May be repeated.*

Individually supervised study for the advanced student.

## University Studies

**100 HUMANITIES I: EUROPEAN CIVILIZATION TO 1700 5 US-B F**

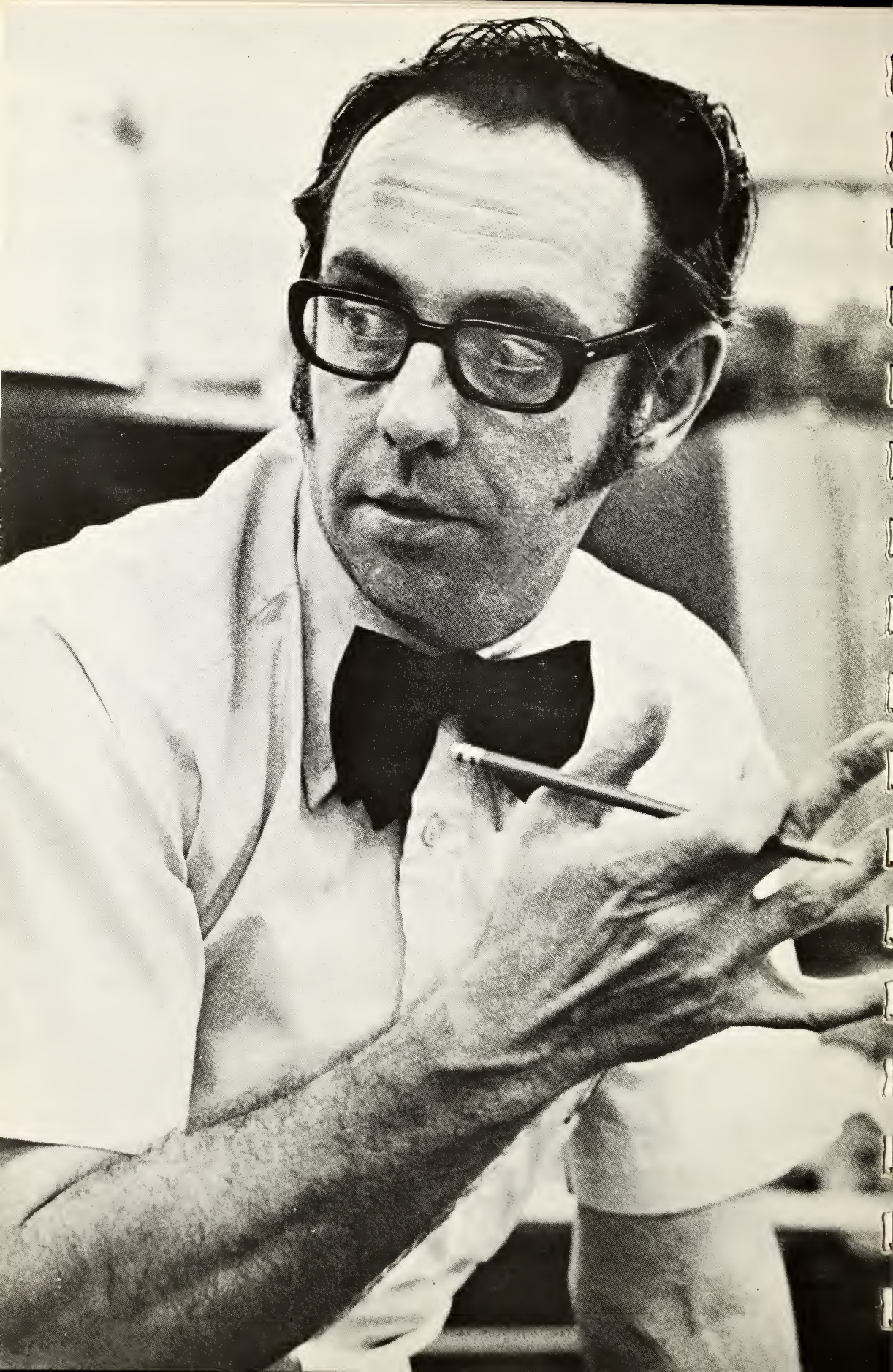
An interdisciplinary course examining the relationships of European history, literature, art, and music from ancient times to the 18th century.

**101 HUMANITIES II: EUROPEAN CIVILIZATION SINCE 1700 5 US-B S**

An interdisciplinary course examining the relationships of European history, literature, art, and music from the 19th century to the present.

**187 INDEPENDENT STUDY 1-3**  
For students pursuing the Independent University Studies option who wish to undertake independent study projects on an interdepartmental and off-campus basis.







# University Faculty

# Faculty

The date following the name of the person indicates the year of joining the staff at this University. This list reflects academic ranks and titles in effect during 1974-75.

**Ahmed A. Abdel-Halim (1970)**

Assistant Professor of Management  
Ph.D., University of Illinois

**Ellen M. Abshire (1960)**

Assistant Professor of Health, Physical  
Education and Recreation  
M.S., Indiana University

**Arthur J. Adams (1970)**

Instructor in Business Administration  
M.B.A., The University of Iowa

**Mary P. McCormick Adams (1969)**

Instructor in English  
M.S., Illinois State University

**Vernon A. Adams (1970)**

Associate Director of Admissions and  
Records, Assistant Professor of  
Educational Administration  
Ph.D., University of Illinois

**William H. Adams (1973)**

Executive Assistant in Public Affairs  
Illinois Wesleyan University

**Laura L. Addison (1962)**

Assistant Librarian, Assistant Professor  
of Library Science  
M.A., University of Denver

**Kathryn M. Aden (1973)**

Executive Assistant in the Office of  
Clinical Experiences in Teacher Education  
Ph.D., University of Illinois

**Milton L. Adler (1974)**

Lecturer in Psychology  
Ph.D., University of Illinois

**Richard N. Albert (1963)**

Assistant Professor of English  
M.S., The University of Wisconsin

**Dorothy F. Aldrich (1972)**

Instructor in Theatre  
M.A., University of Pittsburgh

**Harold W. Alexander (1971)**

Director of the High Potential Student  
Program, Associate Professor of English  
M.A., State University of Iowa

**Michael P. Alexander (1972)**

Assistant Director of Financial Aids,  
Executive Assistant  
B.S., Illinois State University

**Wilma J. Alexander (1970)**

Acting Chairman of the Department of  
Business Education, Assistant  
Professor of Business Education

Ed.D., Oklahoma State University

**Richard E. Allen (1963)**

Associate Professor of English  
Ph.D., Washington University

Leave of Absence, First Semester,  
1974-75 School Year

**John P. Allison (1974)**

Assistant Professor of Economics  
M.A., Illinois State University

**Joel S. Alpert (1974)**

Instructor in Education  
M.A., Bradley University

**Stephanie H. Amster (1970)**

Assistant Professor of Art  
M.F.A., The University of Texas

**Susan F. Amster (1972)**

Assistant Professor of Art  
Ph.D., The University of Texas

**Diane H. Anderson (1971)**

Advisor-Counselor in the High Potential  
Student Program, Executive Assistant  
M.S., Illinois State University

**Edward T. Anderson (1965)**

Associate Professor of Industrial  
Technology  
Ed.D., University of Illinois

**Frances E. Anderson (1970)**

Associate Professor of Art  
Ed.D., Indiana University

**Mildred S. Anderson (1972)**

Faculty Associate in the Metcalf  
Elementary School  
Illinois State University, Western  
Illinois University

**Robert K. Anderson (1974)**

Instructor in Accounting  
M.S., Illinois State University

**Ronny C. Anderson (1973)**

Director of the Black Affairs Council,  
Executive Assistant  
M.A., The University of Chicago

**Louis E. Andrade (1967)**

Assistant Professor of Philosophy  
Ph.D., The University of Nebraska

Leave of Absence, First Semester,  
1974-75 School Year

**Edward A. Andreasen (1967)**

Professor of Theatre  
M.A., Michigan State University

Leave of Absence, Second Semester,  
1974-75 School Year

**George T. Angwin (1970)**

Assistant Professor of Mathematics  
Ph.D., The University of Chicago

**Larry J. Ankenbrand (1972)**

Faculty Associate in the Metcalf  
Elementary School  
Ed.D., University of Missouri

**Helen W. Appeldoorn (1974)**

Lecturer in Special Education  
M.A., Columbia University

**Donald J. Armstrong (1966)**

Associate Professor of Music  
D.M.A., The University of Texas at Austin

**Linda D. Ash (1972)**

Faculty Associate in Special Education  
M.S., University of Illinois

**George F. Aspbury (1970)**

Assistant Professor of Geography  
A.M., The University of Michigan

**Lois R. Asper (1965)**

Instructor in Elementary Education  
M.S. in Ed., Illinois State University

**Douglas M. Astolfi (1972)**

Assistant Professor of History  
Ph.D., Northern Illinois University

**Roy A. Austensen (1969)**

Assistant Professor of History  
Ph.D., University of Illinois

**Elaine R. Axton (1974)**

Faculty Assistant in Industrial Technology  
B.S. in Ed., Central Missouri State  
University

**George T. Baer (1974)**

Assistant Professor of Elementary  
Education  
Ed.D., Northern Illinois University

**Rebecca S. Bailly (1974)**

Lecturer in Medical Technology in the  
Center for Allied Health Professions  
B.S., Bradley University

**Paul J. Baker (1965)**

Associate Professor of Sociology  
Ph.D., Duke University

**Robert L. Baker (1971)**

Assistant Professor of Education  
M.A., University of Rochester

**Robert D. Bakshis (1972)**

Instructor in Sociology  
M.S., Illinois State University

**Margaret K. Balbach (1973)**

Assistant Professor of Plant and Soil  
Science  
Ph.D., University of Illinois

**James T. Baldoni (1974)**

Instructor in Art  
M.F.A., University of Wisconsin

**Lourdes A. Balgos (1973)**

Staff Physician in the University Health  
Service, Executive Assistant  
M.D., University of Santo Tomas  
(Manila, Philippines)

**Carolyn J. Balkema (1973)**

Assistant Professor of Spanish  
M.A., University of Illinois

**K. Gerald Balls (1963)**

Assistant Professor of English  
M.S., Utah State University

**Rosemarie K. Bank (1972)**

Assistant Professor of Theatre  
Ph.D., The University of Iowa

**Wilson P. Banks (1963)**

Assistant Professor of Mathematics  
Ph.D., University of Illinois

**Jeanette F. Baptiste (1975)**

Assistant Professor of Social Work  
M.S.W., University of Illinois

**George Barford (1947)**

Professor of Art  
M.A., Columbia University

**Lynette L. Barratt (1974)**

Faculty Associate in the Metcalf  
Elementary School  
B.S. in Ed., Illinois State University

**Jerry L. Barrett (1972)**

Faculty Associate in University High  
School  
M.S., Illinois State University

**Carolyn W. Bartlett (1969)**

Admissions Counselor, Executive  
Assistant  
M.S., Indiana State University

**Buford H. Bass (1951)**

Head Baseball Coach, Professor of Health,  
Physical Education and Recreation  
Ed.D., Louisiana State University

**Adrian Baucom (1957)**

Assistant Professor of Mathematics  
(University High School)  
M.A., University of Kentucky

**Everett E. Bauer (1970)**

Assistant Professor of Special Education  
Ed.D., Illinois State University

**Linda C. Bauschke (1973)**

Assistant Librarian, Instructor in  
Library Science  
M.S., University of Illinois

**Darwin M. Bayston (1969)**

Instructor in Business Administration  
M.S., Illinois State University

**Madge N. Bayston (1972)**

Faculty Associate in Special Education  
M.S. in Ed., Illinois State University

**Kenneth R. Beckman (1960)**

Assistant Professor of Special Education  
Adv. Cert. in Ed., University of Illinois

**Russell B. Bedford (1972)**

Associate Professor of Music  
M.M., The University of Michigan

**Bille G. Beene (1974)**

Adjunct Instructor in Special Education  
M.A., Bradley University

**Michael L. Behrens (1973)**

Assistant Professor of Accounting  
M.S., Illinois State University; C.P.A.

**Claude A. Bell (1956)**

Associate Professor of Industrial  
Technology  
Ed.D., University of Missouri

**Ralph A. Bellas (1965)**

Associate Professor of English  
Ph.D., The University of Kansas

**Francis B. Belshe (1948)**

Dean of Academic Services, Director  
of Summer Sessions, Professor of  
Education

Ph.D., Yale University

**Helen W. Benjamin (1946)**

Assistant Professor of Business Education  
M.A., Columbia University

**John A. Beno (1973)**

Assistant Professor of Industrial  
Technology  
M.S. in Ed., Eastern Illinois University

**Lois A. Benson (1973)**

Executive Assistant in the Metcalf  
Elementary School  
B.S., University of Minnesota

**Kenneth N. Berk (1969)**

Associate Professor of Mathematics  
Ph.D., University of Minnesota

**Laura E. Berk (1969)**

Assistant Professor of Psychology  
Ph.D., The University of Chicago

**Michael A. Berkson (1974)**

Assistant Professor of Theatre  
Ph.D., University of Washington

**Bernard B. Bernardi (1971)**

Instructor in Industrial Technology  
M.S. in Ed., Illinois State University

**Minnie P. Berson (1970)**

Director of Early Childhood Education  
Programs, Professor of Elementary  
Education

Ed.D., Wayne State University

**Norman C. Bettis (1974)**

Assistant Professor of Education  
Ph.D., Michigan State University

**M. Roger Betts (1974)**

Assistant Professor of Industrial  
Technology  
Ed.D., Arizona State University

**Robert J. Betts (1973)**

Manager of the University Union  
Auditorium, Executive Assistant  
B.A., State University College (New York)



- Julia J. Bewsey (1960)**  
Assistant Librarian, Assistant  
Professor of Library Science  
M.A., Indiana University
- Douglas R. Bey (1944)**  
Professor of Mathematics  
Ph.D., University of Illinois
- C. Eric Bickley (1953)**  
Associate Professor of Theatre  
M.S., The University of Wisconsin
- Martha R. Bickley (1964)**  
Assistant Professor of Business Education  
M.S., Illinois State University
- Dale E. Birkenholz (1962)**  
Professor of Ecology  
Ph.D., University of Florida
- Carolyn S. Bishop (1973)**  
Assistant Intramural Director in  
Campus Recreation, Executive Assistant  
M.A., Michigan State University
- Ferman Bishop (1960)**  
Professor of English  
Ph.D., The University of Wisconsin
- Dennis M. Bittle (1974)**  
Instructor in Economics  
M.S., Illinois State University
- Alton J. Bjork (1968)**  
Professor of Education  
Ed.D., Columbia University
- Richard R. Blackley (1973)**  
Assistant Professor of Special Education  
Ed.D., University of Southern California
- E. Scott Blankenship (1956)**  
Professor of Education  
Ph.D., The Ohio State University
- Sandra N. Blasius (1972)**  
Assistant Area Manager in Housing,  
Executive Assistant  
M.A., University of Denver
- Michael S. Blayney (1972)**  
Assistant Professor of History  
Ph.D., Washington State University
- Roger D. Blomgren (1949)**  
Professor of Industrial Technology  
Ed.D., University of Illinois
- Barbara L. Blunk (1963)**  
Faculty Associate in University High  
School  
M.S., Illinois State University
- John K. Boaz (1965)**  
Assistant Professor of Information  
Sciences  
Ph.D., Wayne State University
- Mildred M. Boaz (1974)**  
Instructor in English  
A.M., University of Michigan
- Walter F. Bock (1966)**  
Assistant Professor of Art  
M.A., University of California at  
Berkeley  
Leave of Absence, First Semester,  
1974-75 School Year
- Janet M. Boeh (1974)**  
Instructor in Health, Physical Education  
and Recreation  
M.A., Illinois State University
- Povl. G. Boesen (1971)**  
Lecturer in Special Education in the  
Program in Corrections  
B.A., North Central College (Naperville)
- James A. Boitos (1971)**  
Instructor in Music  
M.M., Northwestern University
- Dorothea M. Boker (1972)**  
Adjunct Instructor in Special Education  
M.A., University of Denver
- Charles W. Bolen (1970)**  
Dean of the College of Fine Arts,  
Professor of Music  
Ph.D., Indiana University
- James W. Bommarito (1967)**  
Associate Professor of Special Education  
Ed.D., Wayne State University
- Herbert W. Bomzer (1974)**  
Visiting Associate Professor of  
Business Administration  
Ph.D., University of Illinois
- Bonnie J. Bondavalli (1972)**  
Assistant Professor of Sociology  
A.M., University of Missouri
- Jacqueline F. Bontemps (1974)**  
Lecturer in Art  
M.A., Fisk University (Nashville)
- Harold J. Born (1961)**  
Chairman of the Department of Physics,  
Professor of Physics  
Ph.D., Iowa State University
- Frank H. Bowen, Jr. (1970)**  
Counselor in the Student Counseling  
Services, Executive Assistant  
M.S., Illinois State University
- Mack L. Bowen (1971)**  
Assistant Professor of Special Education  
Ph.D., University of Illinois
- Warren C. Bowles (1974)**  
Assistant Professor of Theatre  
M.A., University of Minnesota
- Fay F. Bowren (1969)**  
Associate Professor of Education  
Ed.D., The University of New Mexico
- Harold E. Boyd (1965)**  
Associate Professor of Art  
M.F.A., The University of Kansas
- Judith Boyer (1968)**  
Associate Dean of Student Affairs,  
Executive Assistant  
M.A., Illinois State University
- Walter D. Braddock (1974)**  
Assistant Professor of Finance  
M.B.A., The University of Chicago
- Robert J. Brake (1968)**  
Associate Professor of Information  
Sciences  
Ph.D., Michigan State University  
Leave of Absence, First Semester,  
1974-75 School Year
- Carole A. Brandt (1969)**  
Assistant Professor of Theatre  
(University High School)  
A.M., University of Illinois  
Leave of Absence in the 1974-75 School  
Year
- Robert I. Brawn (1973)**  
Adjunct Professor of Genetics  
Ph.D., The University of Wisconsin
- Bruce W. Breitweiser (1973)**  
Instructor in Accounting  
M.S., Illinois State University
- Charlene E. Bremberg (1970)**  
Instructor in Health, Physical Education  
and Recreation  
M.S. in Ed., Northern Illinois University
- Alma R. Bremer (1950)**  
Assistant Professor of Home Economics  
(Metcalf Elementary School)  
A.M., University of Illinois
- Philip R. Brereton (1974)**  
Director, Executive and Professional  
Development in the College of Business,  
Associate Professor of Business  
Administration  
Ph.D., The University of Wisconsin
- Roger D. Bridges (1974)**  
Lecturer in History  
Ph.D., University of Illinois
- Alan P. Brinton (1974)**  
Assistant Professor of Philosophy  
Ph.D., University of Minnesota
- Benton K. Bristol (1965)**  
Associate Professor of Agricultural  
Mechanics  
Ed.D., The Pennsylvania State University
- Herman E. Brockman (1963)**  
Professor of Genetics  
Ph.D., Florida State University
- Irene T. Brosnahan (1968)**  
Assistant Professor of English  
Ph.D., Georgetown University
- Leger N. Brosnahan (1968)**  
Associate Professor of English  
Ph.D., Harvard University
- John F. Brower (1974)**  
Assistant Professor of Art  
M.F.A., School of the Art Institute  
(Chicago)
- Charles L. Brown (1974)**  
Staff Assistant and Coordinator of  
Student Services in the High Potential  
Student Program, Executive Assistant  
M.S. in Ed., Illinois State University
- Edna C. Brown (1964)**  
Faculty Associate in Special Education  
M.S. in Ed., Illinois State University
- Francis R. Brown (1949)**  
Director of the Division of Continuing  
Education and Public Service and  
Assistant Director of Summer Sessions,  
Professor of Mathematics  
Ed.D., University of Illinois
- Janice F. Brown (1974)**  
Faculty Associate in the Metcalf  
Elementary School  
B.S. in Ed., Illinois State University
- Joyce Ann Brown (1973)**  
Coordinator of Counseling Services in  
the High Potential Student Program,  
Executive Assistant  
M.A., Bradley University
- Lauren E. Brown (1967)**  
Associate Professor of Vertebrate  
Zoology  
Ph.D., The University of Texas
- Lester E. Brown (1974)**  
Assistant Professor of Elementary  
Education  
Ph.D., University of Minnesota
- Lynn H. Brown (1960)**  
Associate Professor of Mathematics  
Ph.D., The University of Iowa
- Marcellus Brown (1973)**  
Instructor in Theatre  
M.M., Florida State University
- Mary J. Brown (1967)**  
Assistant Librarian, Assistant Professor  
of Library Science  
A.M., Indiana University
- R. Elizabeth Brown (1955)**  
Professor of Psychology  
Ph.D., Northwestern University
- Walter H. Brown (1955)**  
Professor of Botany  
Ph.D., University of Illinois
- James H. Brownlee (1972)**  
Instructor in Health, Physical Education  
and Recreation  
M.S., Illinois State University
- Leonard A. Brubaker (1964)**  
Associate Professor of Elementary  
Education  
Ph.D., The Ohio State University
- James F. Brubeck (1956)**  
Assistant Professor of Marketing  
M.A., Ball State University
- Elizabeth S. Bruner (1974)**  
Staff Physician in the University Health  
Service, Executive Assistant  
M.D., University of Illinois
- Michael A. Brunt (1972)**  
Associate Professor of Speech Pathology  
and Audiology  
Ph.D., The University of Kansas
- Carmen S. Bryant (1974)**  
Assistant Area Manager in Housing,  
Executive Assistant  
B.S. in Ed., Illinois State University
- Julian R. Bucher (1974)**  
Instructor in Finance  
M.B.A., Columbia University
- Gene A. Budig (1972)**  
President of the University, Professor  
of Educational Administration  
Ed.D., The University of Nebraska
- Jeanne E. Budig (1972)**  
Lecturer in the Center for Allied Health  
Professions  
M.S., Illinois State University
- Ronald L. Budig (1970)**  
Instructor in Industrial Technology  
M.S., Illinois State University
- Beth B. Buehlmann (1974)**  
Assistant to the Dean of the University,  
Instructor in Educational Administration  
Ph.D., Illinois State University
- David M. Buehlmann (1968)**  
Assistant Professor of Accounting  
M.A.S., University of Illinois; C.P.A.
- Clinton A. Bunke (1967)**  
Professor of Education  
Ph.D., The University of Iowa  
Leave of Absence, First Semester,  
1974-75 School Year
- Catherine K. Bunselmeyer (1970)**  
Instructor in Health, Physical Education  
and Recreation  
M.S. in Ed., Southern Illinois University
- Roger K. Bunting (1966)**  
Associate Professor of Chemistry  
Ph.D., The Pennsylvania State University  
Leave of Absence in the 1974-75 School  
Year
- Steven E. Burgauer (1974)**  
Instructor in Economics  
M.S., Illinois State University
- Michael V. D. Burmester (1974)**  
Visiting Lecturer of Mathematics  
Ph.D., University of Rome

- Maxine D. Burnett-Linford (1974)**  
Lecturer in Elementary Education  
R.N., University of Cambridge (England)
- Roderick H. Butler (1969)**  
Assistant Football Coach, Executive Assistant  
M.S., Illinois State University
- Thomas C. Butterweck (1973)**  
Adjunct Instructor in Special Education  
M.A., University of Northern Colorado
- Dale E. Butz (1972)**  
Adjunct Professor of Agricultural Economics  
Ph.D., University of Minnesota
- Lois A. Byers (1973)**  
Adjunct Instructor in Special Education  
M.A., Northeastern Illinois State College
- Jeremy Byman (1974)**  
Assistant Professor of Political Science  
M.A., University of Chicago
- J. Andre Cadieux (1973)**  
Assistant Professor of Philosophy  
B.A., University of Minnesota
- Larry L. Cadwell (1973)**  
Assistant Professor of Radioecology  
Ph.D., Colorado State University
- Michael M. Calavan (1970)**  
Assistant Professor of Anthropology  
Ph.D., University of Illinois
- S. Kay Calavan (1972)**  
Coordinator of International House Programs, Assistant Professor of Anthropology  
Ph.D., University of Illinois
- Thomas E. Caldwell (1970)**  
Associate Professor of Special Education  
Ed.D., The University of Kansas
- Wesley C. Calef (1970)**  
Professor of Geography  
Ph.D., The University of Chicago
- George R. Canning, Jr. (1958)**  
Professor of English  
Ph.D., The University of Wisconsin
- R. Jerry Cantlon (1962)**  
Professor of Education  
Ed.D., University of Colorado
- Richard W. Cantrell (1971)**  
Instructor in Home Economics  
M.S., Brigham Young University
- John R. Carlock (1951)**  
Associate Professor of Education (University High School)  
M.S. in Ed., Illinois State University
- Patricia H. Carlon (1972)**  
Instructor in Business Law  
LL.B., University of Illinois
- Charlotte P. Carr (1968)**  
Assistant Professor of Home Economics  
M.Ed., University of Illinois
- Robin L. Carr (1968)**  
Assistant Professor of English  
Ph.D., University of Illinois
- Wayne E. Carr (1971)**  
Assistant Registrar, Executive Assistant  
M.A., Columbia University
- Dorothy H. Carrington (1961)**  
Affirmative Action Officer for Women, Associate Professor of Psychology  
Ed.D., The Florida State University
- Conrad E. Carroll (1957)**  
Assistant Professor of Mathematics  
M.A., Murray State College
- Marian J. Carroll (1970)**  
Assistant Librarian, Assistant Professor of Library Science  
Ed.S., George Peabody College for Teachers.
- Rodney T. Carswell (1972)**  
Assistant Professor of Art  
M.F.A., University of Colorado
- Horlin Carter (1972)**  
Instructor in Industrial Technology  
M.S., Marshall University
- Valjean M. Cashen (1961)**  
Professor of Psychology  
Ed.D., University of Northern Colorado
- Karen A. Cassens (1974)**  
Instructor in Special Education  
M.S. in Ed., Wisconsin State University (Whitewater)
- Martha S. Cattell (1974)**  
Assistant Professor of Business Law  
LL.B., Columbia University
- Jo Ellen McCurry Caughey (1974)**  
Instructor in Health, Physical Education and Recreation  
M.A. in Ed., Eastern Kentucky University
- Donald V. Chalmers (1974)**  
Assistant Professor of Psychology  
Ph.D., The Pennsylvania State University
- Merritt M. Chambers (1966)**  
Professor of Educational Administration  
Ph.D., The Ohio State University
- Roger J. Champagne (1960)**  
Professor of History  
Ph.D., The University of Wisconsin
- David R. Chandler (1974)**  
Assistant Professor of Political Science  
B.A., Northwestern University
- Gordon L. Chapman (1974)**  
Associate Professor of Accounting  
D.B.A., Arizona State University
- Nancy L. Chapman (1968)**  
Assistant Professor of Health, Physical Education and Recreation  
M.A., The Ohio State University
- Robert M. Chasson (1965)**  
Associate Professor of Botany  
Ph.D., University of Missouri
- Michael J. Chatron (1974)**  
Faculty Assistant in Industrial Technology  
B.S. in Ed., Central Missouri State University
- Aristides B. Chavez, Jr. (1972)**  
Assistant Professor of Music  
M.M., The University of New Mexico
- James H. Cherry (1972)**  
Assistant Director of the Laboratory School Unit, Executive Assistant  
M.S. in Ed., Illinois State University
- Patricia A. Chesebro (1963)**  
Associate Professor of Psychology  
Ph.D., University of Illinois
- Frank T. Chiodo (1963)**  
Assistant Professor of Health, Physical Education and Recreation (University High School)  
M.S. in Ed., Illinois State University
- John F. Chizmar, Jr. (1971)**  
Assistant Professor of Economics  
Ph.D., Boston College
- Richard Christensen (1974)**  
Assistant Librarian, Assistant Professor of Library Science  
M.A., University of Iowa
- Wilbur W. Chrudimsky (1970)**  
Associate Professor of Plant and Soil Science  
Ph.D., Oklahoma State University
- Tsan-lang Chuang (1967)**  
Associate Professor of Botany  
Ph.D., University of California at Berkeley
- Hoon M. Chung (1970)**  
Associate Professor of Political Science  
Ph.D., University of Pennsylvania
- R. James Clack (1970)**  
Acting Associate Director of the Student Counseling Services, Associate Professor of Education  
Ph.D., Purdue University
- Dorothy D. Clark (1972)**  
Instructor in Special Education  
M.Ed., University of Illinois
- Dorothy W. Clark (1964)**  
Assistant Professor of Speech Pathology and Audiology  
A.M., The University of Michigan
- Gary J. Clark (1969)**  
Assistant Professor of Chemistry  
Ph.D., University of Utah
- Herbert E. Clark (1966)**  
Associate Professor of Psychology  
Ph.D., Purdue University
- Judith O. Clark (1969)**  
Instructor in Special Education  
M.S., Illinois State University
- Ronald Clark (1974)**  
Admissions Counselor, Executive Assistant  
B.S., Illinois State University
- Stanley R. Clemens (1968)**  
Assistant Professor of Mathematics  
Ph.D., The University of North Carolina
- David R. Cleere (1972)**  
Instructor in Geography  
A.M., Indiana University
- A. Kay Clifton (1968)**  
Assistant Professor of Sociology  
Ph.D., The University of Iowa
- R. Eloise Cline (1969)**  
Assistant Librarian, Assistant Professor of Library Science  
M.S., University of Illinois
- Donald J. Cochran (1972)**  
Counselor in the Student Counseling Services, Assistant Professor of Education  
Ph.D., The University of Arizona
- James D. Coe (1967)**  
Assistant Professor of Education  
M.A., Clarke College
- John P. Coffey (1972)**  
Instructor in Business Administration  
M.B.A., Eastern Illinois University
- Ira Cohen (1965)**  
Associate Professor of History  
Ph.D., New York University
- Betty L. Cole (1974)**  
Assistant Professor of Microbiology  
Ph.D., University of Nebraska
- Garold L. Cole (1968)**  
Assistant Librarian, Assistant Professor of Library Science  
M.L.S., The University of Oklahoma
- David J. Colee (1973)**  
Assistant Area Manager in Housing, Executive Assistant  
B.S. in Ed., Illinois State University
- James E. Collie (1957)**  
Professor of Health, Physical Education and Recreation  
P.E.D., Indiana University
- Lois R. Collier (1974)**  
Instructor in Elementary Education  
M.S., Illinois State University
- Regina B. Colvin (1969)**  
Assistant in Academic Advisement, Executive Assistant  
M.S. in Ed., Indiana University
- William E. Colvin (1971)**  
Coordinator of Ethnic and Cultural Studies, Associate Professor of Art  
Ed.D., Illinois State University
- Thomas E. Comfort (1965)**  
Professor of French  
Ph.D., University of Illinois
- David W. Conway (1972)**  
Instructor in Accounting  
M.S., Illinois State University
- Robert K. Conyne (1971)**  
Counselor in the Student Counseling Services, Assistant Professor of Education  
Ph.D., Purdue University
- Janet M. Cook (1968)**  
Assistant Professor of Mathematics  
M.A., University of California at Berkeley
- Carrol B. Cox (1961)**  
Assistant Professor of English  
Ph.D., The University of Michigan
- Dorothy Cox (1957)**  
Assistant Professor of Elementary Education (Metcalf Elementary School)  
M.A., George Peabody College for Teachers
- Rosemary B. Coyle (1973)**  
Adjunct Instructor in Special Education  
M.A., DePaul University
- Ronald L. Cook (1962)**  
Associate Professor of Chemistry  
M.S. in Ed., Western Illinois University
- Merri-Ann Cooper (1972)**  
Assistant Professor of Psychology  
Ph.D., The University of Chicago
- Roque J. Cordero (1972)**  
Associate Professor of Music  
B.A., Hamline University
- Arthur B. Corra (1971)**  
Professor of Music  
Mus. D., Indiana University
- Maurice J. Corsaut (1972)**  
Lecturer in the Center for Allied Health Professions  
B.A., Milliken University
- Carl J. Cortese (1973)**  
Assistant Professor in the Center for Allied Health Professions  
D.P.M., New York College of Podiatric Medicine
- Peter D. Couch (1970)**  
Professor of Management  
Ph.D., The University of Wisconsin
- James F. Cradler (1971)**  
Assistant Professor of Russian  
M.A., Cornell University
- Virginia R. Crafts (1967)**  
Professor of Health, Physical Education and Recreation  
Ed.D., Columbia University



- John F. Cragan (1973)**  
Assistant Professor of Information Sciences  
Ph.D., University of Minnesota
- John C. Cralley (1963)**  
Assistant Professor of Zoology  
Ph.D., University of Illinois
- Robert L. Cramer (1958)**  
Assistant Professor of Elementary Education  
M.S. in Ed., Illinois State University
- Paulette M. Crego (1974)**  
Instructor in French  
M.A., Illinois State University
- Kenneth J. Crepas (1970)**  
Associate Professor of Insurance  
Ph.D., The University of Iowa
- John E. Crew (1963)**  
Professor of Physics  
Ph.D., University of Illinois
- Warren S. Crews (1951)**  
Assistant Basketball Coach, Assistant Professor of Health, Physical Education and Recreation  
M.S. in Ed., Illinois State University
- Robert L. Crist (1962)**  
Professor of Psychology  
Ph.D., Purdue University
- Gail A. Cronauer (1973)**  
Assistant Professor of Theatre  
M.F.A., Case Western Reserve University
- Barbara J. Crooks (1974)**  
Assistant Area Manager in Housing, Executive Assistant  
B.S. in Ed., Illinois State University
- Larry Cross (1974)**  
Instructor in Elementary Education  
M.Ed., University of Illinois
- John H. Crotts (1968)**  
Professor of Elementary Education  
Ed.D., University of Missouri
- Norton B. Crowell (1969)**  
Professor of English  
Ph.D., Harvard University
- Mary S. Crumley (1974)**  
Faculty Assistant in Elementary Education  
A.M., The University of Chicago
- Richard D. Crumley (1962)**  
Associate Professor of Mathematics  
Ph.D., The University of Chicago
- Alfred A. Culver (1961)**  
Professor of Animal Science  
Ph.D., Purdue University
- George E. Cunningham (1973)**  
Assistant Professor of History  
M.S., The University of Wisconsin
- Rebecca S. Cunningham (1974)**  
Assistant Professor of History  
M.A., Indiana University
- David R. Currie (1972)**  
Assistant Professor of Accounting  
M.A.S., University of Illinois; C.P.A.
- Dade T. Curtis (1974)**  
Assistant Librarian, Assistant Professor of Library Science  
M.S., Simmons College
- Steven H. Dale (1974)**  
Assistant Professor of Sociology  
M.Ed., Oklahoma University
- Richard H. Dammers (1971)**  
Assistant Professor of English  
Ph.D., University of Notre Dame
- Cathy A. Daugherty (1974)**  
Assistant Area Manager in Housing, Executive Assistant  
B.S. in Ed., Illinois State University
- Keith C. Davidson (1959)**  
Assistant Professor of Speech Pathology and Audiology  
M.A., Columbia University
- Bruce A. Davis (1970)**  
Faculty Associate in the Metcalf Elementary School  
M.S. in Ed., Illinois State University
- Donald E. Davis (1964)**  
Associate Professor of History  
Ph.D., Indiana University
- F. James Davis (1971)**  
Professor of Sociology  
Ph.D., The University of Iowa
- Wilbert D. Davis (1972)**  
Assistant Track Coach, Instructor in Health, Physical Education and Recreation  
M.A. in Ed., Eastern Kentucky University
- Virginia S. Day (1973)**  
Instructor in English  
M.S., Illinois State University
- Tella M. DeBose (1968)**  
Assistant Professor of Music  
M.Mus., Oberlin Conservatory of Music
- Bernard B. deGrandpre (1973)**  
Assistant Professor of Special Education  
Ph.D., Syracuse University
- Carole J. deGrandpre (1974)**  
Instructor in Elementary Education  
M.S., Syracuse University
- Margo C. DeLey (1974)**  
Instructor in Foreign Languages  
M.A., University of Illinois
- Dianne S. DeLong (1967)**  
Assistant Librarian, Assistant Professor of Library Science  
Cert. Adv. St., University of Denver
- Douglas A. DeLong (1967)**  
Assistant Librarian, Assistant Professor of Library Science  
Cert. Adv. St., University of Denver
- Alan A. DeLucia (1974)**  
Assistant Professor of Geography  
Ph.D., University of Washington
- Margaret N. DeVoss (1971)**  
Faculty Associate in University of High School  
M.A., Columbia University
- Angel M. Diaz (1970)**  
Associate Professor of Special Education  
Ed.D., The University of Houston
- William Dickerson (1974)**  
Instructor in Sociology in the Program in Corrections  
M.S., Southern Illinois University
- Louise E. Dieterle (1969)**  
Director of Clinical Experiences in Teacher Education, Professor of Educational Administration  
Ed.D., Loyola University
- Eleanor Dilks (1952)**  
Professor of Zoology  
Ph.D., The University of Wisconsin
- Herman Dirks (1974)**  
Lecturer in Geography  
B.F.A., University of Illinois
- Robert T. Dirks (1971)**  
Assistant Professor of Anthropology  
Ph.D., Case Western Reserve University
- Carol A. Dodd (1974)**  
Assistant Professor of Mathematics  
Ph.D., Indiana University
- Paul F. Dohrmann (1961)**  
Assistant Director of the Metcalf Elementary School, Professor of Health, Physical Education and Recreation  
Ph.D., State University of Iowa
- Edmund T. Dornier (1967)**  
Assistant Professor of Industrial Technology  
M.S. in Ed., Illinois State University
- Roberta M. Dortch (1973)**  
• Faculty Associate in the Metcalf Elementary School  
B.S. in Ed., Illinois State University
- John A. Dossey (1967)**  
Assistant Professor of Mathematics  
Ph.D., University of Illinois
- Leven M. Dowdall (1957)**  
Assistant Professor of Industrial Technology  
M.S. in Ed., Illinois State University
- John T. Doyle (1974)**  
Assistant Professor of Business Administration  
M.A., University of Illinois
- Thelbert L. Drake (1973)**  
Chairman of the Department of Curriculum and Instruction, Professor of Education  
Ed.D., Michigan State University
- Pauline S. Drawver (1956)**  
Associate Professor of English  
Ph.D., University of Illinois
- Audrey F. Driscoll (1966)**  
Instructor in Elementary Education  
M.A., The University of Iowa
- Elaine K. Dunbar (1968)**  
Assistant in Academic Advisement, Executive Assistant  
M.S., Illinois State University
- Robert L. Duncan (1961)**  
Associate Professor of English  
Ph.D., Indiana University  
Leave of Absence, Second Semester, 1974-75 School Year
- Floyd H. Dunlap (1974)**  
Director of the State and Local Civil Preparedness Instructional Programs, Executive Assistant  
M.Ed., Ohio Christian College
- Robert C. Duty (1963)**  
Professor of Chemistry  
Ph.D., State University of Iowa
- Christine N. Eakins (1967)**  
Instructor in Business Education  
M.A., Michigan State University
- Janet T. Earley (1973)**  
Instructor in Mathematics  
M.S., University of Illinois
- Kay Parkhurst Easson (1970)**  
Associate Professor of English  
Ph.D., The University of Tulsa
- Roger R. Easson (1970)**  
Associate Professor of English  
Ph.D., The University of Tulsa
- Leo E. Eastman (1954)**  
Associate Secretary of the University Professor of Education  
Ed.D., The University of North Dakota
- William W. Easton (1964)**  
Assistant Librarian, Assistant Professor of Library Science  
M.A., University of Denver
- Scott C. Eatherly (1962)**  
Assistant Professor of English  
M.S., The University of Wisconsin
- David C. Eaton (1969)**  
Assistant Professor of Sociology  
Ph.D., The University of Texas
- Albert H. Eckert (1955)**  
Assistant Professor of Mathematics (University High School)  
M.S., University of Illinois
- Earl F. Ecklund, Jr. (1974)**  
Assistant Professor of Mathematics  
Ph.D., Washington State University
- Orlyn P. Edge (1966)**  
Associate Professor of Mathematics  
Ph.D., The University of Iowa
- Charles W. Edwards (1964)**  
Professor of Educational Administration  
Ph.D., The University of Iowa
- Clifford H. Edwards (1968)**  
Associate Professor of Education  
Ed.D., University of Utah
- Philip P. Edwards (1965)**  
Assistant Professor of Physics  
M.A., George Peabody College of Teachers
- Thomas F. Edwards (1957)**  
Professor of Elementary Education  
Ed.D., Michigan State University
- Elwood F. Egelson (1962)**  
Professor of Educational Administration  
Ed.D., University of Oregon
- Lawrence C. Eggan (1968)**  
Professor of Mathematics  
Ph.D., University of Oregon
- Ray E. Eiben (1967)**  
Associate Professor of Education  
Ph.D., The Ohio State University
- Carl B. Eichstaedt (1973)**  
Assistant Professor of Health, Physical Education and Recreation  
Ph.D., The University of New Mexico
- Thomas E. Eimermann (1970)**  
Assistant Professor of Political Science  
Ph.D., University of Illinois
- Carl K. Ekberg (1970)**  
Assistant Professor of History  
Ph.D., Rutgers University
- Edna E. Engberg (1951)**  
Assistant Professor of Health, Physical Education and Recreation (Metcalf Elementary School)  
M.Ed., The University of Michigan
- Terry J. Engle (1974)**  
Assistant Professor of Accounting  
M.S., Illinois State University
- Preston Ensign (1943)**  
Coordinator of Campus Planning, Executive Assistant  
B.Ed., Illinois State University
- Donald H. Ericksen (1969)**  
Associate Professor of English  
Ph.D., University of Illinois
- J. Gary Erisman (1967)**  
Associate Professor of Industrial Technology  
Ph.D., University of Illinois

- Nickolas J. Ernest (1969)**  
Assistant Professor of Art  
M.A.T., Indiana University
- Marcia S. Escott (1966)**  
Assistant in Academic Advisement,  
Executive Assistant  
M.A., Ball State University
- Ronald D. Evans (1972)**  
Assistant Area Manager in Housing,  
Executive Assistant  
B.S., Illinois State University
- John M. Ewing (1969)**  
Professor of Elementary Education  
Ed.D., The University of Nebraska
- Howard Falk (1973)**  
Adjunct Instructor in Special Education  
M.Ed., Northeastern Illinois University
- Lloyd W. Farlee (1962)**  
Professor of Music  
Ph.D., The University of Iowa
- Louise Farmer (1951)**  
Assistant Professor of Elementary  
Education (Metcalf Elementary School)  
M.S. in Ed., University of Illinois
- E. Josephine Faulmann (1973)**  
Instructor in Music, Faculty Associate  
in the Metcalf Elementary School  
M.M., The University of Michigan
- Roger R. Faulmann (1967)**  
Assistant Professor of Music  
M.M., The University of Michigan
- Phyllis L. Feaster (1970)**  
Instructor in English  
M.S. in Ed., Illinois State University
- Ethel G. Feicke (1962)**  
Associate Director of Academic  
Advisement, Assistant Professor of  
Education  
M.S. in Ed., Illinois State University
- Geraldine K. Fergen (1969)**  
Professor of Special Education  
Ed.D., University of Missouri
- A. Gordon Ferguson (1964)**  
Associate Professor of Spanish  
Ph.D., The University of Nebraska
- John W. Ferrell (1961)**  
Professor of Music  
Ph.D., State University of Iowa
- Mary Z. Ferrell (1972)**  
Assistant Professor of Sociology  
Ph.D., Louisiana State University
- Odies C. Ferrell (1974)**  
Visiting Associate Professor of Marketing  
Ph.D., Louisiana State University
- Edmund F. Ficek (1966)**  
Associate Professor of Business Law  
J.D., University of Illinois; C.L.U.
- Eileane H. Fielding (1961)**  
Instructor in English (University High  
School)  
M.S. in Ed., Illinois State University
- James T. Finegan (1974)**  
Lecturer in Business Law  
J.D., Northwestern University
- Frederic N. Firestone (1970)**  
Professor of Economics  
Ph.D., The University of Wisconsin
- Lois C. Firestone (1974)**  
Special Service Center Nurse in the  
University Health Service,  
Executive Assistant  
B.S., Simmons College
- Gary L. Fish (1966)**  
Assistant Professor of Accounting  
M.A.S., University of Illinois; C.P.A.
- Judith A. Fish (1974)**  
Executive Assistant in Academic  
Advisement  
M.Ed., University of Illinois
- Robert L. Fisher (1973)**  
Assistant Professor of Education  
Ed.D., The University of Nebraska
- Kenneth L. Fitch (1963)**  
Associate Professor of Anatomy  
Ph.D., The University of Michigan
- Thomas C. Fitch (1969)**  
Associate Professor of Elementary  
Education  
Ph.D., Michigan State University
- Eugene D. Fitzpatrick (1965)**  
Professor of Psychology  
Ed.D., University of Northern Colorado
- William G. Flanagan (1973)**  
Assistant Basketball Coach, Executive  
Assistant  
M.A. in Ed., East Carolina University
- George P. Foeller (1960)**  
Associate Professor of Music  
M.A., University of Connecticut
- Alan T. Folkens (1971)**  
Adjunct Professor in the Center for Allied  
Health Professions  
Ph.D., University of South Dakota
- Flora H. Foltz (1968)**  
Instructor in Special Education  
M.S. in Ed., Southern Illinois University
- Rodney W. Forcade (1971)**  
Assistant Professor of Mathematics  
Ph.D., University of Washington
- J. Anne Foreman (1958)**  
Associate Professor of French  
(Metcalf Elementary School)  
Ph.D., University of Colorado
- George W. Forgey (1967)**  
Acting Chairman of the Department of  
Agriculture, Associate Professor of  
Agricultural Mechanics  
Ph.D., Illinois State University
- Roy E. Fowler (1974)**  
Assistant Director of Placement Services,  
Executive Assistant  
M.Ed., University of Missouri
- Carol J. Fox (1972)**  
Instructor in Home Economics  
M.S., Illinois State University; R.D.
- Charles P. Frahm (1968)**  
Associate Professor of Physics  
Ph.D., Georgia Institute of Technology
- John T. France (1971)**  
Staff Physician in the University Health  
Service, Executive Assistant  
M.D., Loyola University
- Charles E. Francis (1966)**  
Assistant Professor of Industrial  
Technology  
Ed.D., University of Missouri
- Dorothy J. Frank (1975)**  
Faculty Assistant in Chemistry  
B.A., Grinnell College
- Lynda S. Frankberger (1972)**  
Faculty Associate in University High  
School  
M.S., Illinois State University
- Dorothy K. Franks (1973)**  
Assistant Professor of Education  
Ph.D., University of Illinois
- Keith M. Fred (1967)**  
Director of Campus Recreation Program,  
Director of Intramurals, Executive  
Assistant  
Ed.D., University of Southern Mississippi
- John B. Freed (1969)**  
Assistant Professor of History  
Ph.D., Princeton University
- John L. Frehn (1962)**  
Professor of Physiology  
Ph.D., The Pennsylvania State University
- Ruth M. Freyberger (1951)**  
Professor of Art  
Ed.D., The Pennsylvania State University
- Stephen H. Friedberg (1970)**  
Associate Professor of Mathematics  
Ph.D., Northwestern University  
Leave of Absence in the 1974-75  
School Year
- Walter H. Friedhoff (1958)**  
Chairman of the Department of  
Psychology, Professor of Psychology  
Ph.D., University of Iowa
- Leo H. Frigo (1968)**  
Staff Physician in the University Health  
Service, Executive Assistant  
M.D., Chicago Medical School
- Melba J. Frink (1974)**  
Instructor in Elementary Education  
M.S. in Ed., Illinois State University
- William Frisko (1961)**  
Professor of Elementary Education  
Ed.D., Wayne State University
- Kent D. Frison (1972)**  
Instructor in Business Education  
M.S., Illinois State University
- Bodo Fritzen (1969)**  
Assistant Professor of German  
Ph.D., The University of Nebraska
- William D. Fuehrer (1963)**  
Associate Professor of German  
(University High School)  
Ph.D., The University of Michigan
- Frederick W. Fuess (1963)**  
Professor of Plant and Soil Science  
Ph.D., Michigan State University
- Robert W. Funk (1970)**  
Assistant Professor of English  
Ph.D., University of Illinois
- Laima I. Gaigalas (1974)**  
Instructor in Foreign Languages  
Doctor of the University of Languages  
and Literature, Grenoble (France)
- Wayne H. Galler (1970)**  
Assistant Professor of Elementary  
Education  
Ph.D., The University of Wisconsin
- Neal R. Gamsky (1970)**  
Vice President and Dean of Student  
Affairs, Associate Professor of Psychology  
Ph.D., The University of Wisconsin
- Barbara J. Gardner (1974)**  
Faculty Associate in University High  
School  
M.S., Illinois State University
- Stanley C. Gelson (1974)**  
Faculty Associate in University High  
School  
B.S., Illinois State University
- Raymond E. George (1970)**  
Associate Professor of Art  
M.A. in Ed., University of Northern Iowa
- Harmon Gerald (1972)**  
Assistant Director of Housing,  
Executive Assistant  
B.S. in Ed., Illinois State University
- Lucia C. Getsi (1973)**  
Assistant Professor of English  
Ph.D., Ohio University
- Noel C. Gill (1970)**  
Assistant Professor of Psychology  
Ph.D., University of Minnesota
- David C. Gilmore (1974)**  
Assistant Professor of Psychology  
Ph.D., The Ohio State University
- Hal M. Gilmore (1956)**  
Assistant Professor of Mathematics  
M.A., Western Kentucky University
- Victor E. Gimmestad (1948)**  
Professor of English  
Ph.D., The University of Wisconsin
- Gerald L. Girard (1969)**  
Registrar, Executive Assistant  
M.S., Illinois State University
- George Girardi, Jr. (1963)**  
Associate Professor of Health, Physical  
Education and Recreation (University  
High School)  
P.E.D., Indiana University
- Daniel J. Girvan (1974)**  
Administrative Assistant to the Director  
of Housing, Executive Assistant  
M.A., Pacific Lutheran University
- William J. Gnagey (1961)**  
Director of Educational Research Services,  
Professor of Psychology  
Ph.D., Wayne State University
- Richard Godfrey (1963)**  
Director of Public Affairs, Executive  
Assistant  
B.S. in Ed., Illinois State University
- Annette G. Godow (1972)**  
Assistant Professor of Psychology  
Psy.D., University of Illinois
- Rew A. Godow, Jr. (1972)**  
Assistant Professor of Philosophy  
Ph.D., University of Illinois
- Barbara L. Goebel (1965)**  
Assistant Professor of Psychology  
Ph.D., University of Illinois
- John T. Goeldi (1967)**  
Associate Professor of Elementary  
Education  
Ph.D., Michigan State University
- Sheila R. Goldberg (1973)**  
Assistant Professor of Elementary  
Education  
Ph.D., University of Illinois
- Melvin A. Goldstein (1971)**  
Assistant Professor of Psychology  
Ph.D., Rutgers University



- Joseph J. Goleash (1971)**  
University Legal Counsel, Executive  
Officer for the Office of the President,  
Executive Assistant  
J.D., University of Illinois
- Robert C. Goodall (1967)**  
Associate Professor of Elementary  
Education  
Ed.D., Indiana University
- Craig R. Goodrum (1971)**  
Assistant Professor of Philosophy  
Ph.D., The University of Texas
- Philip R. Goodwin (1973)**  
Faculty Associate in the Metcalf Elementary  
School  
M.S. in Ed., Illinois State University
- R. Dwayne Goodwin (1969)**  
Instructor in Health, Physical Education  
and Recreation  
M.R.Ed., Brigham Young University
- George J. Gordon (1970)**  
Assistant Professor of Political Science  
Ph.D., Syracuse University
- Rhonda A. Gore (1973)**  
Executive Assistant in the Reading Study  
Center  
M.S. in Ed., Illinois State University
- Donna K. Gorrell (1974)**  
Instructor in English  
M.A., Illinois State University
- Iris F. Gottlieb (1971)**  
Instructor in Special Education  
M.A., Northwestern University
- Laura E. Gowdy (1967)**  
Assistant Librarian, Assistant Professor  
of Library Science  
M.S., University of Illinois
- Julie Gowen (1972)**  
Assistant Professor of Philosophy  
Ph.D., The University of Wisconsin  
Leave of Absence in the 1974-75 School  
Year
- Joseph L. Grabill (1968)**  
Professor of History  
Ph.D., Indiana University  
Leave of Absence, Second Semester,  
1974-75 School Year
- Ardelle Graef (1971)**  
Associate Professor of Elementary  
Education  
Ph.D., The University of Wisconsin
- Lesley P. Graham (1972)**  
Faculty Associate in the Metcalf  
Elementary School  
M.Ed., The University of Arizona
- Michael G. Gratchner (1973)**  
Instructor in English  
M.S., Illinois State University
- Aaron G. Gray (1972)**  
Lecturer in Special Education  
Adv. Cert., University of Illinois
- Charles E. Gray, Jr. (1959)**  
Associate Professor of History  
Ed.D., University of Illinois
- Harold K. Gray (1974)**  
Lecturer in Music  
M.M., Florida State University
- Betty L. Green (1972)**  
Executive Assistant in Academic  
Advisement, Student Counseling  
Services, and Placement Services  
M.S. in Ed., Southern Illinois University
- Geraldine A. Greenlee (1970)**  
Associate Professor of Health, Physical  
Education and Recreation  
Ph.D., University of Oregon
- Glen E. Greeneth (1960)**  
Assistant Professor of Physics  
M.A., Washington University
- Harold L. Gregor (1970)**  
Professor of Art  
Ph.D., The Ohio State University
- Ivo P. Greif (1961)**  
Professor of Elementary Education  
Ed.D., Wayne State University
- Glenn A. Grever (1965)**  
Assistant Professor of English  
Ph.D., University of Illinois
- Jean M. Grever (1963)**  
Assistant Professor of Business Education  
M.S., Illinois State University  
Leave of Absence, Second Semester,  
1974-75 School Year
- Brenda S. Griffin (1974)**  
Instructor in Sociology  
M.A., Drake University
- Charles T. Griffin (1974)**  
Assistant Professor of Sociology  
Ph.D., The Iowa State University
- Jim L. Grimm (1974)**  
Assistant Professor of Marketing  
D.B.A., Kent State University
- Martin A. Grindelund (1973)**  
Instructor in Information Sciences  
M.A., University of North Dakota
- Glenn S. Gritzmacher (1962)**  
Assistant Librarian, Assistant Professor  
of Library Science  
C.A.S., University of Illinois
- William I. Grogg (1969)**  
Instructor in Management  
M.A. in Ed., Indiana University
- Audrey J. Grupe (1968)**  
Associate Professor of Psychology  
Ph.D., University of Illinois
- Stanley E. Grupp (1957)**  
Professor of Sociology  
Ph.D., Indiana University
- John A. Gueguen (1972)**  
Assistant Professor of Political Science  
Ph.D., The University of Chicago
- Ralph A. Guthrie (1973)**  
Instructor in Agricultural Education  
M.S., University of Illinois
- Stanley D. Gutzman (1970)**  
Assistant Librarian, Instructor in  
Library Science  
M.A., University of Denver
- Kwang-Chul Ha (1967)**  
Associate Professor of Mathematics  
Ph.D., The University of North Carolina
- Wesley R. Habley (1970)**  
Lecturer in Educational Administration  
M.Ed., University of Illinois
- Bessie D. Hackett (1969)**  
Associate Professor of Home Economics  
Ed.D., University of Illinois
- Perry Hackett (1949)**  
Assistant Professor of Music  
M.M., Northwestern University
- Edwin C. Hackleman, Jr. (1970)**  
Assistant Professor of Marketing  
Ph.D., University of Illinois  
Leave of absence in 1974-75 School Year
- William W. Haddad (1970)**  
Assistant Professor of History  
Ph.D., The Ohio State University
- Dean S. Hage (1959)**  
Professor of Special Education  
Ph.D., The State University of Iowa
- Maxine G. Hage (1973)**  
Lecturer in Medical Records  
Administration in the Center for  
Allied Health Professions  
R.N., Garfield Memorial Hospital School  
of Nursing (Washington, D.C.)
- Virginia R. Hager (1966)**  
Assistant Professor of Elementary  
Education  
M.S. in Ed., Illinois State University
- Nanette K. Haid (1971)**  
Assistant Professor of Art  
M.F.A., Virginia Commonwealth  
University
- Marjorie T. Haikey (1972)**  
Faculty Associate in the Metcalf  
Elementary School  
B.A., Bradley University
- J. Willard Hain (1970)**  
Faculty Associate in Special Education  
M.A., Northwestern University
- Ronald S. Halinski (1968)**  
Director of Measurement and Evaluation  
Service, Associate Professor of  
Education  
Ph.D., The University of Iowa
- Barbara C. Hall (1957)**  
Professor of Health, Physical Education,  
and Recreation  
Ed.D., Columbia University
- David M. Hall (1973)**  
Adjunct Instructor in Special Education  
M.S. in Ed., Southern Illinois University
- John D. Hall (1970)**  
Associate Professor of Business Education  
Ed.D., Texas Tech University
- James A. Hallam (1966)**  
Chairman of the Department of Accounting,  
Professor of Accounting  
Ph.D., The University of Iowa; C.D.P.
- G. Mark Halpin (1973)**  
Instructor in Theatre  
M.F.A., Carnegie-Mellon University  
(Pittsburgh)
- John M. Hamilton (1974)**  
Faculty Assistant in Accounting  
B.S., Illinois State University
- Tong Il Han (1971)**  
Associate Professor of Music  
M.S., Juilliard School of Music
- Edward C. Handwerk (1974)**  
Lecturer in the Civil Defense Program  
B.S., Illinois State University
- Manfred Hannemann (1974)**  
Assistant Professor of Geography  
Ph.D., The University of Chicago
- Arne R. Hansen (1973)**  
Director of Museums, Executive Assistant  
M.F.A., University of Oklahoma
- John F. Hansen (1972)**  
Assistant Professor of Chemistry  
Ph.D., Duke University
- Colan T. Hanson (1974)**  
Assistant Professor of Information  
Sciences  
M.A., North Dakota State University
- Warren R. Harden (1954)**  
Director of Institutional Research and  
Computer Operations, Professor of  
Economics  
Ph.D., Indiana University
- Doris M. Hardine (1947)**  
Assistant Professor of Music  
M.M., Eastman School of Music
- Carroll P. Harding (1973)**  
Assistant Professor of Educational  
Administration  
Ph.D., Illinois State University
- Elizabeth L. Harding (1970)**  
Assistant Director of the Student  
Advisement Program, Executive Assistant  
M.A., Southern Illinois University
- Sandra D. Harmon (1971)**  
Instructor in History  
M.A., Illinois State University
- V. Carolyn Harper (1968)**  
Assistant Professor of Information  
Sciences  
Adv. M.L.S., The Florida State University
- Archibald Harris (1957)**  
Head Swimming Coach, Assistant Professor  
of Health, Physical Education, and  
Recreation  
M.A., The State University of Iowa
- Charles B. Harris (1968)**  
Associate Professor of English  
Ph.D., Southern Illinois University
- Elizabeth L. Harris (1970)**  
Research Consultant in Computer Services,  
Instructor in Psychology  
M.S., Illinois State University
- Otto D. Harris (1967)**  
Assistant Professor of Art  
M.A., Teachers College, Columbia  
University
- Vicki A. Harris (1973)**  
Instructor in English  
M.A., Illinois State University
- E. Frank Harrison (1974)**  
Dean of the College of Business,  
Professor of Management  
Ph.D., The University of Washington
- Monique A. Harrison (1974)**  
Assistant Professor of French and  
Business Administration  
M.B.A., University of Puget Sound
- Gerald L. Hart (1967)**  
Head Football Coach, Executive Assistant  
M.S. in Ed., Southern Illinois University
- Richard R. Hart (1961)**  
Associate Professor of Geology  
Ph.D., The University of Iowa
- W. Douglas Hartley (1954)**  
Associate Professor of Art  
Ph.D., New York University
- Mostafa F. Hassan (1968)**  
Professor of Economics  
Ph.D., The University of Wisconsin  
Leave of Absence in the 1974-75 School  
Year

- Caron F. Hassen (1972)**  
Assistant Area Manager in Housing,  
Executive Assistant  
M.S., Illinois State University
- Robert G. Hathway (1966)**  
Associate Professor of Mathematics  
Ph.D., The University of Wisconsin
- Jeffrey S. Hawkinson (1973)**  
Executive Assistant in Public Affairs  
M.A., Bradley University
- James H. Hawthorne (1973)**  
Instructor in Theatre  
M.A., The University of Michigan
- Margaret B. Hayden (1967)**  
Assistant Professor of Home Economics  
M.S., Ohio University
- Patricia B. Haynes (1968)**  
Instructor in Sociology  
M.S., Illinois State University
- G. Louis Heath (1969)**  
Associate Professor of Education  
Ph.D., University of California at Berkeley
- Motley P. Hedges (1974)**  
Faculty Assistant in Chemistry  
M.S., Illinois State University
- John M. Heissler, Jr. (1961)**  
Professor of English  
Ph.D., University of Wisconsin
- Arlan C. Helgeson (1951)**  
Acting Vice President and Dean of the  
University, Dean of the Graduate  
School, Professor of History  
Ph.D., The University of Wisconsin
- Candace A. Helgeson (1958)**  
Assistant Professor of English  
A.M., University of Illinois
- Dolores A. Hellweg (1965)**  
Associate Professor of Health, Physical  
Education, and Recreation (Metcalf  
Elementary School)  
Ph.D., the University of Wisconsin
- Richard M. Helmer (1974)**  
Assistant Professor of Business  
Administration  
B.S., University of Illinois
- Robert E. Hemenway (1964)**  
Professor of Special Education  
Ed.D. Boston University School of Educa-  
tion
- Doris E. Henderson (1966)**  
Assistant Professor of Health, Physical  
Education, and Recreation  
M.A., Northwestern University
- Thomas P. Henderson (1971)**  
Instructor in Business Administration  
M.S., Illinois State University
- Reginald D. Henry (1969)**  
Associate Professor of Agricultural  
Mechanics  
Ph.D., University of Missouri
- Richard J. Hentz (1967)**  
Associate Professor of Art  
M.F.A., Northern Illinois University
- Roger E. Herberts (1963)**  
Associate Professor of Industrial  
Technology  
Ed.D., University of Illinois
- Linda G. Herman (1974)**  
Instructor in Health, Physical Education,  
and Recreation  
M.S., Illinois State University
- Henry J. Hermanowicz (1959)**  
Dean of the College of Education,  
Professor of Education  
Ed.D., Columbia University
- Carole J. Herron (1974)**  
Faculty Associate in the Metcalf  
Elementary School  
M.S., Illinois State University
- Alfred J. Herschede (1974)**  
Assistant Professor of Economics  
A.M., University of Illinois
- Lotus D. Hershberger (1970)**  
Assistant Professor of Mathematics  
Ph.D., The Florida State University
- Jerry H. Hess (1969)**  
Executive Assistant for Space Analysis  
and Programming  
B.A., The University of Kansas
- Howard R. Hetzel (1962)**  
Chairman of the Department of Biological  
Sciences, Professor of Zoology  
Ph.D., The University of Washington
- Charles R. Hicklin (1960)**  
Professor of Education  
Ed.D., University of Illinois  
Leave of Absence, Second Semester,  
1974-75 School Year
- G. Alan Hickrod (1967)**  
Professor of Educational Administration  
Ed.D., Harvard University
- Lucy Jen Huang Hickrod (1967)**  
Professor of Sociology  
Ph.D., The University of Chicago  
Leave of Absence, First Semester,  
1974-75 School Year
- Frank O. Hicks (1974)**  
Instructor in Business Administration  
M.B.A., University of Akron
- L. Dean Hiebert (1973)**  
Assistant Professor of Economics  
Ph.D., The University of Wisconsin
- Lynne P. Higgins (1963)**  
Associate Professor of Health, Physical  
Education, and Recreation  
Ph.D., The University of Iowa
- Janet L. Hildreth (1965)**  
Faculty Associate in Special Education  
M.S. in Ed., Illinois State University
- John S. Hill (1962)**  
Professor of English  
Ph.D., The University of Wisconsin  
Part-time Leave of Absence, First  
Semester, 1974-75 School Year
- Sherron D. Hill (1973)**  
Assistant Professor of Art  
Ph.D., The University of Iowa
- Philip E. Hillstrom (1969)**  
Assistant Professor of Music  
D.M.A., University of Oregon
- Robert A. Hintz, Jr. (1974)**  
Assistant Professor of Sociology  
Ph.D., The University of Iowa
- Marcia L. Hishman (1973)**  
Instructor in Music  
M.M., Yale University School of Music
- Jack A. Hobbs (1970)**  
Associate Professor of Art  
Ph.D., The University of Iowa
- S. David Hoffman (1973)**  
Assistant Professor of Education  
Ph.D., The Florida State University
- Robert A. Hogan (1963)**  
Professor of Psychology  
Ed.D., Case Western Reserve University
- Lucille S. Holcomb (1968)**  
Assistant Director of Financial Aids,  
Executive Assistant  
M.A., Illinois State University
- David F. Holden (1971)**  
Assistant Professor of English  
Ph.D., The University of Kansas
- Kenneth A. Holder (1969)**  
Associate Professor of Art  
M.F.A., Chicago School of the Art  
Institute
- Robert E. Holdridge (1965)**  
Associate Professor of Information  
Sciences  
Ed.D., Indiana University
- William E. Holdridge (1974)**  
Assistant Professor of Information  
Sciences  
Ph.D., University of Illinois
- Jeanne G. Holmes (1973)**  
Faculty Associate in the Metcalf  
Elementary School  
B.S. in Ed., Illinois State University
- Roger M. Holmes (1966)**  
Coordinator of Residential Programming,  
Executive Assistant  
Ed.D., Indiana University
- M. Paul Holsinger (1969)**  
Associate Professor of History  
Ph.D., University of Denver
- Nancy H. Holsinger (1972)**  
Faculty Associate in the Metcalf  
Elementary School  
M.S.W., University of Denver
- Niles R. Holt (1968)**  
Associate Professor of History  
Ph.D., Yale University
- T. Melvin Holt (1973)**  
Assistant Professor of Accounting  
M.B.A., University of Oregon; C.P.A.
- Gerlof D. Homan (1968)**  
Professor of History  
Ph.D., The University of Kansas
- Joseph C. Honan (1968)**  
Associate Professor of Political Science  
Ph.D., University of Missouri
- John E. Hoover (1973)**  
Counselor in the Student Counseling  
Services, Executive Assistant  
Ph.D., Ohio University
- Sharon A. Hoover (1974)**  
Instructor in Speech Pathology and  
Audiology  
M.A., Ohio University
- M. Jill Horenberger (1973)**  
Faculty Associate in the Metcalf  
Elementary School  
M.A., The Catholic University of America
- Jerry J. Horn (1974)**  
Faculty Associate in University High  
School  
B.S., Illinois State University
- Bruce E. Horne (1972)**  
Faculty Associate in the Metcalf  
Elementary School  
B.A., Western Illinois University
- James E. House (1966)**  
Professor of Chemistry  
Ph.D., University of Illinois
- James M. Howard (1966)**  
Assistant Professor of Elementary  
Education  
M.A. in Ed., University of Kentucky
- Merle R. Howard (1966)**  
Assistant Professor of Speech  
Pathology and Audiology  
M.S., Southern Illinois University
- Frederick B. Hoyt (1974)**  
Assistant Professor of History  
Ph.D., The University of Wisconsin
- Patsy S. Hrudka (1974)**  
Assistant Professor of Accounting  
M.S., Illinois State University; C.P.A.
- Quinn L. Hrudka (1962)**  
Associate Professor of  
Education  
Ed.D., Indiana University
- Joseph D. Hrucyszyn (1971)**  
Assistant Professor of Mathematics  
Ph.D., Wayne State University
- Benjamin C. Hubbard (1961)**  
University Professor of Educational  
Administration  
Ed.D., University of Alabama
- Barbara L. Huffman (1974)**  
Executive Assistant in the Day Care  
Center  
B.S. in Ed., Illinois State University
- Monique C. Huffman (1971)**  
Instructor in French  
M.A., Illinois State University
- Ronald C. Hughes (1972)**  
Admissions Counselor, Executive Assistant  
M.S., Illinois State University
- Harry W. Huizinga (1967)**  
Associate Professor of Parasitology  
Ph.D., The University of Connecticut  
Leave of Absence in the 1974-75  
School Year
- Lloyd M. Hult (1972)**  
Assistant Professor of Speech Pathology  
and Audiology  
Ph.D., Ohio State University
- Gregory B. Hultgren (1974)**  
Instructor in Accounting  
M.S., Illinois State University
- Kenneth G. Hummel (1974)**  
Assistant Professor of Mathematics  
Ph.D., Western Michigan University
- Ching-Yuan Hung (1974)**  
Research Associate in Genetics,  
Lecturer in Biological Sciences  
Ph.D., University of California at Davis
- Deanna Johnson Hunt (1969)**  
Instructor in Speech Pathology and  
Audiology  
M.S., The University of Michigan
- Raymond H. Hunt (1965)**  
Associate Professor of Chemistry  
Ph.D., University of Illinois
- Robert W. Hunt (1969)**  
Assistant Professor of Political Science  
Ph.D., Princeton University
- Phillip C. Huntman (1974)**  
Instructor in Industrial Technology  
M.S., Illinois State University



- Timothy F. Hurtz (1973)**  
Instructor in Music  
B.Mus., University of Southern California
- Mary K. Huser (1966)**  
Professor of Elementary Education  
Ed.D., University of Illinois
- H. Dean Hustoft (1969)**  
Assistant Professor of Information Sciences  
Ed.D., Indiana University
- Barbara B. Hutchinson (1966)**  
Associate Professor of Speech Pathology and Audiology  
Ph.D., University of Utah
- Jill M. Hutchison (1969)**  
Assistant Professor of Health, Physical Education, and Recreation  
M.S., Illinois State University
- Harriet S. Hutter (1969)**  
Assistant Professor of Spanish (University High School)  
Ph.D., University of Illinois
- Samuel Hutter (1955)**  
Assistant Professor of Psychology  
M.S., University of Illinois
- Lenore L. Hutton (1974)**  
Instructor in Information Sciences  
M.A., Illinois State University
- Virgil R. Hutton (1960)**  
Associate Professor of English  
Ph.D., The University of Michigan
- Thaddeus C. Ichniowski (1961)**  
Professor of Chemistry  
Ph.D., Purdue University
- E. Carmen Imel (1964)**  
Associate Professor of Health, Physical Education, and Recreation  
Ph.D., The University of Iowa
- Arnold J. Insel (1969)**  
Associate Professor of Mathematics  
Ph.D., University of California at Berkeley
- Eugene R. Irving (1969)**  
Professor of Elementary Education  
Ed.D., University of Illinois
- Ko Iwasaki (1974)**  
Lecturer in Music  
Toho School of Music (Japan); Julliard School of Music (New York)
- Eugene H. Jabker (1968)**  
Director of Instructional Development, Executive Assistant  
Ph.D., Washington University
- Irving Jacks (1968)**  
Director, Program in Corrections, Professor of Psychology  
Ph.D., New York University
- Bryant H. Jackson (1960)**  
Associate Director of Libraries, Associate Professor of Library Science  
M.S. in L.S., University of Southern California
- Donette D. Jackson (1966)**  
Instructor in Business Education  
M.A. in Ed., University of Kentucky
- Martin C. Jackson (1972)**  
Area Manager in Housing, Executive Assistant  
M. in M.Ed., Illinois State University
- Ronald H. Jackson (1972)**  
Assistant Professor of Art  
M.F.A., California College of Arts and Crafts
- Ted R. Jackson (1960)**  
Associate Professor of Information Sciences  
Ph.D., The University of Wisconsin
- Vivian R. Jackson (1974)**  
Faculty Associate in University High School  
Ph.D., Northwestern University
- Eugene S. Jacobs (1962)**  
Assistant Professor of Mathematics  
A.M., University of South Dakota
- Alvin R. Jacobson (1970)**  
Director of Environmental Health, Professor of Environmental Health in the Center for Allied Health Professions  
Ph.D., The State University of Iowa
- David V. Jager (1969)**  
Production Technician in the University Auditoria, Executive Assistant  
A.M., The University of Michigan
- Jeannie H. James (1959)**  
Associate Professor of Home Economics  
Ed.D., The Pennsylvania State University
- Kenneth E. James (1962)**  
Professor of Agricultural Education  
Ed.D., University of Missouri
- Philip James (1974)**  
Faculty Associate in the Metcalf Elementary School  
Ed.D., University of Illinois
- James F. Jarrett (1974)**  
Assistant Area Manager in Housing, Executive Assistant  
B.S., Illinois State University
- Kathleen C. Jarrett (1972)**  
Lecturer in Special Education  
M.S. in Ed., Illinois State University
- Edward B. Jelks (1968)**  
Acting Chairman of the Department of Sociology-Anthropology, Professor of Anthropology  
Ph.D., The University of Texas
- C. Lynnelle Jensen (1971)**  
Instructor in Elementary Education  
M.S. in Ed., Illinois State University
- D. Reed Jensen (1966)**  
Associate Professor of Physiology  
Ph.D., Utah State University
- Martin F. Jepsen (1973)**  
Faculty Associate in University High School  
M.S. in Ed., Illinois State University
- Kenneth E. Jesse (1967)**  
Associate Professor of Physics  
Ph.D., Arizona State University
- William A. Jesse (1973)**  
Instructor in Information Sciences  
M.S., Illinois State University
- Lois R. Jett (1962)**  
Assistant Professor of Home Economics  
M.S., Southern Illinois University
- Milford C. Jochums (1948)**  
Professor of English  
Ph.D., University of Illinois
- Alan D. Johnson (1974)**  
Faculty Associate in Home Economics and Industrial Technology  
M.S., Illinois State University
- Carol Gratz Johnson (1973)**  
Instructor in Home Economics  
M.Ed., University of Illinois
- Eric S. Johnson (1968)**  
Assistant Professor of Geography  
Ph.D., The University of Kansas
- F. Reed Johnson (1974)**  
Assistant Professor of Economics  
M.A., The State University of New York
- James J. Johnson (1966)**  
Associate Professor of Psychology  
Ph.D., Northwestern University
- Richard P. Johnson (1974)**  
Instructor in Psychology  
M.S., Illinois State University
- Ross H. Johnson (1970)**  
Acting Chairman of the Department of Business Administration, Associate Professor of Management  
Ph.D., University of Illinois
- John L. Johnston (1956)**  
Professor of Industrial Technology  
Ed.D., University of Missouri
- Anita F. Jones (1962)**  
Assistant Professor of Elementary Education (Metcalf Elementary School)  
M.S. in Ed., Illinois State University
- Duane L. Jones (1972)**  
Visiting Assistant Professor of Psychology  
Ph.D., University of Denver
- Emily F. Jones (1974)**  
Assistant Professor of Business Education  
M.S., Eastern Illinois University
- H. Twyman Jones (1967)**  
Associate Professor of Education  
Ed.D., University of Missouri
- Margaret L. Jones (1956)**  
Professor of Health, Physical Education, and Recreation  
Ph.D., The University of Wisconsin
- William W. Jones (1967)**  
Faculty Associate in the Metcalf Elementary School  
Ed.D., University of Northern Colorado
- Margaret Jorgensen (1949)**  
Assistant Professor of Psychology  
M.A., University of Denver
- Donald S. Kachur (1968)**  
Assistant Professor of Education  
Ed.D., Indiana University
- Jill D. Kagle (1971)**  
Assistant Professor of Sociology  
M.S.W., The University of Michigan
- Steven E. Kagle (1969)**  
Associate Professor of English  
Ph.D., The University of Michigan
- Frederick D. Kagy (1965)**  
Professor of Industrial Technology  
Ed.D., University of Wyoming
- Bruce T. Kaiser (1956)**  
Director of the University Union and Auditorium, Executive Assistant  
B.S., Indiana University
- Alfred L. Kaisershot (1970)**  
Associate Professor of Business Education  
Ed.D., The University of Nebraska
- Eileen G. Kanzler (1971)**  
Faculty Associate in University High School  
M.A., Hampton Institute
- Suraj P. Kapoor (1973)**  
Assistant Professor of Information Sciences  
M.A., Southern Illinois University
- Jacqueline Q. Karch (1957)**  
Professor of Home Economics  
Ed.D., Washington University
- Ila Karr (1952)**  
Assistant Librarian, Assistant Professor of Library Science  
M.A., University of Denver Library School
- Ruth M. Kasa (1974)**  
Coordinator of the Medical Technology Program and Assistant Professor in the Center for Allied Health Professions  
M.A., Sangamon State University
- Patrick V. Kauffold (1974)**  
Assistant Professor of Quantitative Methods  
M.S., University of Illinois
- William O. Kauth (1968)**  
Head Trainer, Assistant Professor of Health, Physical Education, and Recreation  
M.S., Indiana State University
- Christopher M. Keating (1973)**  
Assistant Area Manager in Housing, Executive Assistant  
M.S., Illinois State University
- Benjamin J. Keeley (1952)**  
University Professor of Sociology  
Ph.D., The University of Nebraska
- Daniele M. Kellams (1974)**  
Assistant Professor of French  
Ph.D., Rice University
- Charles W. Keller (1974)**  
Faculty Associate in the Metcalf Elementary School  
M.S. in Ed., Illinois State University
- David N. Kelsey (1971)**  
Faculty Associate in University High School  
Ph.D., Indiana State University
- Allen K. Kemmerer (1974)**  
Lecturer in the Civil Defense Program  
B.S. in Ed., Illinois State University
- Benny B. Kemp (1963)**  
Assistant Professor of Music  
M.M., Indiana University
- Kenneth C. Kennard (1968)**  
Chairman of the Department of Philosophy, Professor of Philosophy  
Ph.D., Northwestern University
- Larry D. Kennedy (1962)**  
Associate Professor of Education  
Ed.D., University of Illinois
- Pamela F. Kennedy (1974)**  
Assistant Professor of Sociology  
M.A., Kent State University
- William N. Kennedy (1962)**  
Assistant Professor of Latin  
M.S. in Ed., Illinois State University
- Betty J. Keough (1953)**  
Professor of Health, Physical Education, and Recreation  
Ph.D., State University of Iowa
- Kerry A. Kerber (1973)**  
Assistant Professor of Education  
M.Ed., Wayne State University
- Robert J. Kerber (1974)**  
Associate Professor of Management  
D.B.A., Texas Tech University
- Susan T. Kern (1974)**  
Assistant Professor of Home Economics  
M.S., Purdue University

- Roger D. Kerr (1973)**  
Head Track Coach, Executive Assistant  
Ph.D., Purdue University
- Robert W. Kief (1970)**  
Assistant Athletic Trainer, Instructor  
in Health, Physical Education,  
and Recreation  
M.S., Illinois State University
- Won-Mo Kim (1969)**  
Associate Professor of Music  
Doc. of Mus., The Florida State University
- James G. Kirchner (1969)**  
Assistant Professor of Geology  
Ph.D., The University of Iowa
- John W. Kirk (1966)**  
Professor of Theatre  
Ph.D., The University of Florida
- George C. Kiser (1974)**  
Assistant Professor of Political Science  
Ph.D., University of Massachusetts
- Nancy T. Kizer (1971)**  
Instructor in English  
M.A., Illinois State University
- Denise V. Klacik (1973)**  
Faculty Associate in the Metcalf  
Elementary School  
M.S. in Ed., Illinois State University
- Keith P. Knoblock (1967)**  
Assistant Professor of Art  
M.F.A., The Ohio State University
- James V. Koch (1967)**  
Chairman of the Department of  
Economics, Professor of Economics  
Ph.D., Northwestern University  
Leave of Absence, Second Semester,  
1974-75 School Year
- Robert W. Koehler (1961)**  
Professor of Health, Physical Education,  
and Recreation  
Ed.D., University of Utah
- Herbert L. Koerselman (1974)**  
Assistant Professor of Music  
M.M., Indiana University
- Frederick W. Kohlmeier (1964)**  
Professor of History  
Ph.D., University of Minnesota
- Helen B. Kohlmeier (1969)**  
Instructor in English  
M.S., Illinois State University
- Jay C. Kohn (1970)**  
Assistant Professor of Art  
M.F.A., The University of Wisconsin
- Walter S. G. Kohn (1956)**  
Professor of Political Science  
Ph.D., New School for Social Research,  
New York
- Catherine W. Konsky (1974)**  
Assistant Professor of Information  
Sciences  
M.A., The University of Iowa
- Joe W. Kraus (1966)**  
Director of Libraries, Professor of  
Library Science  
Ph.D., University of Illinois
- William J. Kross (1975)**  
Assistant Professor of Accounting  
M.A., Western Illinois University
- Paul W. Krueger (1974)**  
Assistant Professor of Accounting  
M.B.A., Northwestern University
- Dennis V. Kruse (1970)**  
Assistant Professor of Business Law  
J.D., The University of Iowa
- Brigitta J. Kuhn (1961)**  
Professor of French  
Ph.D., Sorbonne, University of Paris
- Lowell J. Kuntz (1949)**  
Assistant Professor of Music (Metcalf  
Elementary School)  
M.S. in Ed., Illinois State University
- Norene Kurth (1953)**  
Assistant Professor of Business Education  
M.B.A., The University of Chicago
- Michael E. Kurz (1968)**  
Acting Chairman of the Department  
of Chemistry, Associate Professor of  
Chemistry  
Ph.D., Case Institute of Technology
- Joseph L. LaBelle (1973)**  
Assistant Professor of Speech Pathology  
and Audiology  
Ph.D., University of Wisconsin at Madison
- Donald E. LaCasse, Jr. (1973)**  
Instructor in Theatre  
M.A., Michigan State University
- Francis E. LaFave (1970)**  
Counselor in the Student Counseling  
Services, Executive Assistant  
Ph.D., Indiana State University
- Douglas H. Lamb (1970)**  
Acting Director of Student Counseling  
Services, Associate Professor of  
Psychology  
Ph.D., Florida State University
- Ralph L. Lane (1968)**  
Professor of Theatre  
Ph.D., Northwestern University
- Rowena V. Lane (1968)**  
Instructor in Home Economics  
M.S., Illinois State University
- J. Gregory Langan (1966)**  
Lecturer in Special Education  
Ed.D., Indiana University
- David C. Larsen (1974)**  
Assistant Professor of Information Sciences  
Ph.D., University of Nebraska
- Gurcharan S. Laumas (1973)**  
Professor of Economics  
Ph.D., Wayne State University
- Joseph L. Laurenti (1962)**  
Professor of Spanish and Italian  
Ph.D., University of Missouri
- Parker L. Lawlis (1965)**  
Director of the Placement Service,  
Executive Assistant  
M.S. in Ed., Illinois State University
- Marlyn C. Lawrentz (1973)**  
Executive Assistant in Division of Continuing  
Education and Public Service  
M.A., University of Colorado
- Ronald L. Laymon (1965)**  
Professor of Educational Administration  
Ed.D., Indiana University
- Barbara H. Lazerson (1969)**  
Associate Professor of Elementary  
Education  
Ph.D., The University of Nebraska
- Dorothy E. Lee (1962)**  
Associate Professor of Sociology  
Ph.D., The University of Iowa  
Leave of Absence, Second Semester,  
1974-75 School Year
- Jane M. Lee (1972)**  
Assistant Professor of Special Education  
Ph.D., The University of Texas at Austin
- Kenneth L. Leicht (1967)**  
Associate Professor of Psychology  
Ph.D., Northwestern University
- George M. Leisure (1974)**  
Assistant Professor in the Center for  
Allied Health Professions  
M.S.E.H., East Tennessee State University
- Elmer A. Lemke (1965)**  
Professor of Psychology  
Ph.D., The University of Wisconsin
- Wilbert M. Leonard, II (1970)**  
Assistant Professor of Sociology  
Ph.D., The Ohio State University
- A. Andrew Leone (1973)**  
Assistant Director of Continuing Education  
and Public Service, Assistant  
Professor of Education  
Ph.D., Indiana University
- David L. Leonhard (1974)**  
Faculty Associate in the Office of Clinical  
Experiences in Teacher Education  
B.S., Illinois State University
- Arthur Lewis (1972)**  
Associate Professor of Music  
Doc. of Mus., Indiana University
- Franklin G. Lewis (1967)**  
Associate Professor of Education  
Ed.D., North Texas State University
- Marjorie L. Lewis (1951)**  
Associate Professor of Psychology  
Ph.D., University of Illinois
- Anthony E. Liberta (1961)**  
Professor of Mycology  
Ph.D., University of Illinois
- Kyu U. Lie (1974)**  
Assistant Professor of Economics  
Ph.D., New York University
- Lois Lilly (1957)**  
Assistant Professor of Elementary  
Education  
Adv. Cert. in Ed., University of Illinois
- Henry S. Linder (1974)**  
Lecturer in the Civil Defense Program  
B.S., Eastern Illinois University
- William R. Linneman (1964)**  
Chairman of the Department of English,  
Associate Professor of English  
Ph.D., University of Illinois
- Harlan D. Litchfield (1969)**  
Executive Assistant in the Office of Clinical  
Experiences in Teacher Education  
M.A., Bradley University
- Frank A. Littler (1973)**  
Instructor in English  
M.A., Illinois State University
- Mary M. Liverman (1973)**  
Faculty Associate in the Metcalf  
Elementary School  
M.S., University of Illinois
- Robert D. Liverman (1969)**  
Associate Professor of Health, Physical  
Education, and Recreation  
Ph.D., University of Illinois
- David L. Livers (1962)**  
Professor of Education  
Ph.D., The State University of Iowa
- Edward A. Livingston (1968)**  
Associate Professor of Music  
M.A., Western Michigan University
- Franz L. Loepp (1970)**  
Associate Professor of Industrial  
Technology  
Ed.D., University of Northern Colorado
- Jerry C. Logue (1974)**  
Lecturer in Medical Records Administration  
in the Center for Allied Health Professions  
B.S., Illinois State University
- Michael A. Lorber (1970)**  
Associate Professor of Education  
Ph.D., The Ohio University
- Nina L. Lovelace (1974)**  
Faculty Assistant in Art  
B.S., Fisk University
- Ann C. Loye (1974)**  
Assistant Professor of Health, Physical  
Education, and Recreation  
M.A., DePaul University
- Virginia M. Lundeen (1974)**  
Executive Assistant in the Office of Clinical  
Experiences in Teacher Education  
M.S., Illinois State University
- Marvin L. Luther (1966)**  
Associate Professor of Physics  
Ph.D., Virginia Polytechnic Institute
- Charles M. Lynch (1963)**  
Instructor in Industrial Technology  
M.S., Illinois State University
- Mary F. Lynn (1966)**  
Principal of University High School,  
Faculty Associate  
M.Ed., Kent State University
- G. Laurene Mabry (1960)**  
Director of Women's Intercollegiate Sports,  
Professor of Health, Physical  
Education, and Recreation  
Ph.D., The University of Iowa
- David J. MacDonald (1971)**  
Assistant Professor of History  
Ph.D., University of Minnesota
- Sharon S. MacDonald (1973)**  
Instructor in History  
M.A., University of Minnesota
- Michael Macesich (1962)**  
Assistant Professor of Chemistry  
(University High School)  
M.S., Indiana State University
- Kenton F. Machina (1973)**  
Assistant Professor of Philosophy  
Ph.D., University of California at  
Los Angeles
- Patricia C. Madden (1971)**  
Instructor in English  
M.A., Illinois State University
- Normand W. Madore (1961)**  
Professor of Elementary Education  
Ed.D., Wayne State University
- Thomas E. Malone (1969)**  
Assistant Professor of Art  
M.S., The University of Wisconsin
- Jerry M. Manahan (1974)**  
Instructor in Agricultural Economics  
M.S., Illinois State University
- Richard A. Manahan (1974)**  
Instructor in Accounting  
M.S., Illinois State University
- Darryl T. Manring (1962)**  
Assistant Professor of Music (Metcalf  
Elementary School)  
M.M., The University of Michigan



- Bruce M. Manzer (1974)**  
Assistant Librarian, Assistant Professor of Library Science  
C.A.S., University of Chicago
- John H. Marlow (1973)**  
Lecturer in Art  
Gottingen University (Germany);  
Willesden School of Art (London);  
Hornsey College of Art (London);  
University of London (England)
- John E. Marohl (1973)**  
Area Manager in Housing, Executive Assistant  
M.S. in Ed., University of Wisconsin — Oshkosh
- Ruben Marshall (1973)**  
Assistant Professor of Information Sciences  
M.A., Eastern Michigan University
- Dennis C. Martin (1972)**  
Instructor in Information Sciences  
M.S., Illinois State University
- Judith A. Martin (1968)**  
Instructor in Home Economics  
(University High School) M.S., Southern Illinois University  
One-half time leave of absence, First Semester, 1974-75 School Year
- Kay E. Martin (1974)**  
Adjunct Assistant Professor of English  
M.S., State University College at Buffalo
- Thomas B. Martin (1962)**  
Professor of Business Education  
Ed.D., Indiana University
- Olga A. Martinez (1966)**  
Assistant Professor of Spanish  
M.A., University of Cordoba, Argentina
- Jill L. Mascaro (1973)**  
Assistant Professor of Art  
M.A., University of Colorado
- Belvia W. Matthews (1974)**  
Counselor in the Student Counseling Services, Executive Assistant  
M.S., Alabama Agricultural and Mechanical University
- Calvin O. Matthews (1974)**  
Counselor in the Student Counseling Services, Coordinator of ISU-Community Police Relations, Executive Assistant  
M.A., Alabama Agricultural and Mechanical University
- Eleanor F. Matthews (1968)**  
Assistant Librarian, Assistant Professor of Library Science  
M.S., University of Illinois
- Jane M. Matthis (1973)**  
Instructor in Speech Pathology and Audiology  
M.S., Illinois State University
- Paul F. Mattingly (1962)**  
Professor of Geography  
Ph.D., The Pennsylvania State University
- Richard W. Mawdsley (1969)**  
Assistant Professor of Art  
M.F.A., The University of Kansas
- Richard Maye (1973)**  
Lecturer in Political Science in the Program in Corrections  
M.A., Sangamon State University
- Michele C. Mayes (1974)**  
Assistant Professor of Political Science in the Program in Corrections  
J.D., University of Michigan
- Robert E. McAdam (1970)**  
Director of the Office of Research Services and Grants, Professor of Health, Physical Education, and Recreation  
Ph.D., University of Illinois
- Patricia C. McAnally (1966)**  
Assistant Professor of Special Education  
M.Ed., University of Illinois
- John F. McAteer (1968)**  
Assistant Director of the Office of Research Services and Grants, Assistant Professor of Education  
Ph.D., Southern Illinois University
- Verna L. McAteer (1974)**  
Faculty Associate in the Metcalf Elementary School  
M.A.T., Indiana University
- James L. McBee, Jr. (1970)**  
American Council on Education Fellow in the President's Office, Professor of Animal Science  
Ph.D., University of Missouri
- Robert K. McBride (1974)**  
Instructor in Biological Sciences  
M.S., Illinois State University
- Bernard J. McCarney (1958)**  
Acting Chairman of the Department of Economics, Professor of Economics  
Ph.D., University of Pittsburgh
- John R. McCarthy (1974)**  
Assistant Professor of Educational Administration  
M.S., Illinois State University
- Willard J. McCarthy (1955)**  
Associate Professor of Industrial Technology  
Ed.M., University of Illinois
- George F. McCoy, Jr. (1962)**  
School Psychologist in the Metcalf Elementary School, Professor of Psychology  
Ph.D., University of Illinois
- Derek A. McCracken (1969)**  
Assistant Professor of Biological Sciences  
Ph.D., University of Toronto
- Ella L. McCumber (1969)**  
Instructor in Elementary Education  
Adv. Cert., University of Illinois
- William D. McFarland (1974)**  
Instructor in Accounting  
M.S., Illinois State University
- Diane McGrath (1973)**  
Assistant Professor of Psychology  
Ph.D., University of Illinois
- J H McGrath (1968)**  
Professor of Educational Administration  
Ph.D., The University of Iowa
- Donald J. McHugh (1968)**  
Instructor in Business Education  
M.S. in Ed., Northern Illinois University
- Robert E. McIntire (1974)**  
Instructor in Business Law  
J.D., University of Illinois
- James R. McIntyre (1971)**  
Assistant Professor of German  
Ph.D., Michigan State University
- Gerald W. McKean (1974)**  
Faculty Assistant in Accounting  
B.S., Illinois State University
- Raymond L. McKinty (1965)**  
Executive Assistant in the Office of the Dean of the University  
M.S., University of Illinois
- Elizabeth S. McMahon (1971)**  
Associate Professor of English  
Ph.D., University of Oregon
- Carol F. McNulty (1973)**  
Instructor in English  
M.S. in Ed., Illinois State University
- Walter B. Mead (1967)**  
Associate Professor of Political Science  
Ph.D., Duke University
- John V. Meador (1969)**  
Associate Professor of Finance  
Ph.D., State University of Iowa
- Edward S. Meckstroth (1974)**  
Assistant Librarian, Assistant Professor of Library Science  
M.A., University of Chicago
- Yash Pal Mehra (1974)**  
Assistant Professor of Economics  
Ph.D., University of Minnesota
- Ella S. Mentzer (1965)**  
Assistant Professor of English  
M.S. in Ed., Illinois State University
- Loren W. Mentzer (1957)**  
Professor of Botany  
Ph.D., The University of Nebraska
- Joseph E. Metcalf (1964)**  
Instructor in Industrial Technology  
M.S. in Ed., Illinois State University
- Robert L. Metcalf (1961)**  
Director of University High School Athletics, Associate Professor of Health, Physical Education, and Recreation  
P.E.D., Indiana University
- John A. Metcalfe (1974)**  
Assistant Professor of Health, Physical Education, and Recreation  
M.S. in Ed., Northern Illinois University
- Dawn Y. Metz (1973)**  
Executive Assistant in the Metcalf Elementary School  
A.A.S., Illinois Central College
- Larry E. Meyer (1974)**  
Head Wrestling Coach, Executive Assistant  
Ed.D., University of Missouri
- Odessa H. Meyer (1965)**  
Assistant Professor of Elementary Education  
Spec. in Ed., Illinois State University
- Ralph A. Meyering (1961)**  
Professor of Education  
Ph.D., University of Iowa
- Christine A. Meyers (1971)**  
Assistant Professor of Health, Physical Education, and Recreation  
M.F.A., University of North Carolina at Greensboro
- E. Joan Miller (1962)**  
Professor of Geography  
Ph.D., The University of North Carolina
- John G. Miller (1972)**  
Assistant Professor of Mathematics  
Ph.D., Rice University
- Judith K. Miller (1973)**  
Faculty Associate in the Metcalf Elementary School  
M.S. in Ed., Illinois State University
- Kenneth E. Miller (1967)**  
Faculty Associate in University High School  
M.S., Illinois State University  
One-half time Leave of Absence, First Semester, 1974-75 School Year
- Larry R. Miller (1971)**  
Assistant Professor of Industrial Technology  
Ph.D., The Ohio State University
- Marcia A. Miller (1971)**  
Adjunct Professor of Microbiology  
Ph.D., The Ohio State University
- Murray Lincoln Miller (1950)**  
Associate Professor of Education  
Ph.D., University of Pittsburgh
- Wayne R. Miller (1973)**  
Associate Professor of Health, Physical Education, and Recreation  
Ph.D., University of Maryland
- Wilma H. Miller (1968)**  
Professor of Education  
Ed.D., University of Arizona
- Alan P. Milliren (1969)**  
Assistant Professor of Elementary Education  
Ed.D., University of Illinois
- Frederick V. Mills (1968)**  
Chairman of the Department of Art, Professor of Art  
Ed.D., Indiana University
- Ethel B. Mincey (1972)**  
Assistant Professor of Elementary Education  
M.Ed., University of Illinois
- Robert V. Mitchell (1974)**  
Professor of Marketing  
Ph.D., University of Illinois
- Orrin J. Mizer (1947)**  
Associate Professor of Biological Sciences (Metcalf Elementary School)  
Ph.D., State University of Iowa
- Edward L. Mockford (1960)**  
Professor of Entomology  
Ph.D., University of Illinois
- Coenraad L. Mohr (1970)**  
Associate Professor of Management  
Ph.D., University of Minnesota
- Barbara R. Moll (1973)**  
Faculty Associate in University High School  
B.A., Western Illinois University
- LaVergne A. Monette (1973)**  
Assistant Professor of Music  
M.M., Indiana University
- Alan D. Monroe (1970)**  
Assistant Professor of Political Science  
Ph.D., Indiana University
- John F. Mooney (1973)**  
Lecturer in Educational Administration  
M.S. in Ed., Eastern Illinois University
- Willard J. Moonan (1969)**  
Assistant Librarian, Assistant Professor of Library Science  
M.A., University of Minnesota
- Barry E. Moore (1962)**  
Associate Professor of Art  
Ed.D., University of Illinois
- Benjamin L. Moore (1973)**  
Assistant Professor of Psychology  
Ph.D., Florida State University

- Beverly J. Moore (1967)**  
Area Manager in Housing, Executive Assistant  
M.S., Illinois State University
- Clarence L. Moore (1961)**  
Professor of Animal Science  
Ph.D., South Dakota State University
- Harold A. Moore (1947)**  
Associate Professor of Biological Sciences (University High School)  
M.S., University of Illinois  
Leave of Absence, First Semester, 1974-75 School Year
- Robert H. Moore (1952)**  
Acting Dean of the College of Education, Professor of Education  
Ph.D., The Ohio State University
- Marianne W. Moran (1966)**  
Instructor in English  
M.S. in Ed., St. Cloud State College
- Mark R. Moran (1966)**  
Associate Professor of Social Work  
Ph.D., The Ohio State University
- Kenneth O. Moreland (1964)**  
Assistant Professor of Elementary Education  
Adv. Cert. in Ed., University of Illinois
- David J. Morgan (1971)**  
Executive Assistant in the Day Care Center  
M.S. in Ed., Illinois State University
- William W. Morgan (1969)**  
Associate Professor of English  
Ph.D., The University of Tennessee
- Steven A. Mork (1974)**  
Adjunct Instructor in Special Education  
M.Ed., University of Illinois
- Charles E. Morris (1966)**  
Secretary of the University, Associate Professor of Mathematics  
Ph.D., University of Illinois
- Jeanne B. Morris (1967)**  
Instructor in Elementary Education  
M.Ed., University of Illinois
- Joyce L. Morton (1966)**  
Assistant Professor of Health, Physical Education, and Recreation  
M.Ed., Colorado State University
- Charles W. Mowrer (1974)**  
Counselor in the Student Counseling Services, Executive Assistant  
M.Ed., University of Delaware
- Benjamin N. Muego (1974)**  
Instructor in Political Science  
M.A., Kansas State University
- Samuel J. Mungo (1968)**  
Assistant Professor of Education  
Ph.D., New York University
- Robert V. Murley (1967)**  
Director of Foreign Students Program, Executive Assistant  
Ed.D., Indiana University
- Ann C. Myers (1973)**  
Faculty Associate in the Metcalf Elementary School  
B.S. in Ed., Illinois State University
- Joel P. Myers (1970)**  
Associate Professor of Art  
M.F.A., Alfred University (New York)
- Mathew J. Nadakavukaren (1964)**  
Associate Professor of Botany and Electron Microscopy  
Ph.D., Oregon State University
- Gayle L. Nash (1974)**  
Instructor in Special Education  
M.A., University of Alabama
- Joseph M. Natale (1956)**  
Assistant Professor of Art  
M.S., Indiana State Teachers College
- Mary J. Natale (1954)**  
Assistant Professor of Elementary Education  
M.S. in Ed., Illinois State University
- Charles A. Neale (1970)**  
Assistant Professor of Geography  
M.A., University of Cincinnati
- Lawrence J. Nelson (1971)**  
Instructor in Business Law  
J.D., Washburn University
- Robert S. Nelson (1970)**  
Assistant Professor of Geology  
Ph.D., The University of Iowa
- Thomas W. Nelson (1970)**  
Assistant Professor of Education  
M.A., California State College at Fresno
- Janice G. Neuleib (1970)**  
Assistant Professor of English  
Ph.D., University of Illinois
- Robert D. Neuleib (1970)**  
Instructor in Information Sciences  
M.S., Illinois State University
- Melvin E. Neville (1973)**  
Assistant Professor of Microbiology  
Ph.D., Iowa State University
- Marilyn P. Newby (1965)**  
Assistant Professor of Art  
M.S. in Ed., Southern Illinois University
- Richard L. Newby (1958)**  
Assistant Professor of English  
Ph.D., University of Colorado
- Stephen J. Newman (1972)**  
Assistant Intramural Director, Executive Assistant  
M.A., Michigan State University
- Eleanor D. Newmister (1970)**  
Faculty Associate in the Metcalf Elementary School  
M.S. in Ed., Illinois State University
- Anthony J. Nezel (1973)**  
Assistant Professor of Special Education  
Ed.D., University of Northern Colorado
- Martin K. Nickels (1974)**  
Assistant Professor of Anthropology  
M.A., University of Kansas
- Edwin E. Niemi (1958)**  
Professor of Art  
M.S., The University of Wisconsin
- Douglas A. Nietzsche (1963)**  
Assistant Professor of English  
Ph.D., University of Illinois
- Ann E. Nolte (1973)**  
Professor of Health Education  
Ph.D., The Ohio State University
- William R. Noonan (1972)**  
Instructor in Geography  
M.S., Illinois State University
- Gerald L. Norris (1967)**  
Assistant Principal of University High School, Faculty Associate  
M.S. in Ed., Eastern Illinois University  
One-half time Leave of Absence, First Semester, 1974-75 School Year
- Maurice E. Norris (1968)**  
Assistant Professor of Speech Pathology and Audiology  
M.S., Southern Illinois University
- John W. Nowak (1974)**  
Assistant Professor of Business Administration  
M.S., Southern Methodist University
- Frederick R. Noyes (1968)**  
Instructor in Special Education (Metcalf Elementary School)  
M.S. in Ed., New York State University at Buffalo
- Dennis D. Oburn (1973)**  
Assistant Area Manager in Housing, Executive Assistant  
B.L.S., Bowling Green State University
- Phares G. O'Daffer (1968)**  
Professor of Mathematics  
Ph.D., University of Illinois
- Thomas E. Oettel (1974)**  
Faculty Associate in University High School  
M.S., Illinois State University
- Carroll J. Oien (1966)**  
Instructor in Accounting  
M.S., Illinois State University
- Walter P. Oldendorf (1967)**  
Faculty Associate in the Metcalf Elementary School  
M.A., Northwestern University  
Leave of Absence in 1974-75 School Year
- Barbara P. Olson (1972)**  
Assistant Area Manager in Housing, Executive Assistant  
B.S. in Ed., Illinois State University
- Nancy H. Olson (1971)**  
Instructor in Home Economics  
M.S., Illinois State University
- Fred W. Omer (1969)**  
Assistant Professor of Music  
M.S., University of Illinois
- David M. Onuma (1974)**  
Faculty Assistant in Sociology  
B.S., Illinois State University
- Dennis W. Orr (1974)**  
Assistant Area Manager in Housing, Executive Assistant  
B.S., Illinois State University
- David J. Ortinau (1973)**  
Instructor in Business Administration  
M.S., Illinois State University
- Anthony L. Ostrosky (1973)**  
Assistant Professor of Economics  
Ph.D., University of Pittsburgh
- Harry S. Otterson (1974)**  
Assistant Professor of Information Sciences  
M.S.L.S., Catholic University of America (Washington D.C.)
- Albert D. Otto (1969)**  
Associate Professor of Mathematics  
Ph.D., State University of Iowa
- Virginia S. Owen (1964)**  
Associate Professor of Economics  
Ph.D., University of Illinois
- V. Arthur Owles (1973)**  
Instructor in Mathematics  
M.S., Illinois State University
- William Paarlberg (1966)**  
Assistant Director of the Metcalf Elementary School, Coordinator of Special Education in the Laboratory Schools, Instructor in Special Education (Metcalf Elementary School)  
M.Ed., University of Illinois
- George E. Palmer (1969)**  
Assistant Librarian, Assistant Professor of Library Science  
M.L.S., University of Pittsburgh
- Teresa M. Palmer (1969)**  
Assistant Professor of Business Education  
M.B.A., The University of Iowa
- Mariejean C. Pankonin (1966)**  
Assistant Professor of Health, Physical Education, and Recreation  
M.S., The University of North Carolina at Greensboro
- David J. Parent (1968)**  
Associate Professor of German  
Ph.D., University of Cincinnati  
Leave of Absence, Second Semester, 1974-75 School Year
- Beulah M. Parker (1969)**  
Instructor in Biological Sciences  
M.S., Illinois State University  
Leave of Absence in 1974-75 School Year
- Donald R. Parker (1950)**  
Inspector of Food Sanitation and Laboratory Technician in the University Health Service, Assistant Professor  
M.P.H., Tulane University
- Kelvin M. Parker (1967)**  
Associate Professor of Spanish  
Ph.D., The University of Chicago  
Leave of Absence, First Semester, 1974-75 School Year
- Louise O. Parker (1950)**  
Assistant Professor in the Center for Allied Health Professions and Nurse (Metcalf Elementary School)  
M.P.H., The University of Michigan
- Peter A. Parmantie (1961)**  
Assistant Professor of English (University High School)  
M.S. in Ed., Illinois State University
- James T. Parr (1970)**  
Assistant Professor of Mathematics  
Ph.D., Indiana University
- Margaret Parret (1946)**  
Associate Professor of Information Sciences  
M.A., Columbia University
- Daniel C. Paschal (1974)**  
Assistant Professor of Chemistry  
Ph.D., Georgia Institute of Technology
- James E. Patterson (1957)**  
Professor of Geography  
Ph.D., University of Illinois
- Paul M. Paulson (1966)**  
Assistant Professor of Industrial Technology  
M.S., University of Wisconsin — Stout
- G. Benjamin Paxton (1965)**  
Manager of Radio Station WGLT, Assistant Professor of Information Sciences  
M.A., The University of Tennessee
- David A. Pearce (1974)**  
Faculty Associate in University High School  
B.A., University of Illinois
- Charles W. Pendleton (1966)**  
Assistant Professor of Industrial Technology  
Ed.D., University of Illinois



- Lawrence M. Pennie (1970)**  
Instructor in Elementary Education  
M.S. in Ed., Illinois State University
- Nancy S. Perkins (1974)**  
Instructor in English  
M.S., Illinois State University
- Barbara J. Perry (1972)**  
Faculty Associate in University High School  
B.S., University of Wisconsin — Stout
- Ralph M. Perry (1967)**  
Associate Professor of French  
Ph.D., University of Illinois
- Warren S. Perry (1955)**  
Chairman of the Department of Business Education, Professor of Business Education  
Ed.D., University of Colorado  
Leave of Absence, First Semester, 1974-75 School Year
- Don L. Peterson (1964)**  
Assistant Professor of Music  
M.S., The University of Wisconsin  
Leave of Absence in 1974-75 School Year
- Joyce Peterson (1972)**  
Executive Assistant in Institutional Research and Computer Operations  
B.A., Illinois State University
- George A. Petrossian (1963)**  
Assistant Professor of French  
Ph.D., The University of Michigan
- Wolfgang Pfabel, Jr. (1961)**  
Assistant Professor of German  
M.A., Case Western Reserve University
- Harold R. Phelps (1958)**  
Chairman of the Department of Special Education, Professor of Special Education  
Ph.D., The Ohio State University
- Charles E. Phillips (1972)**  
Assistant Area Manager in Housing, Executive Assistant  
B.S., Illinois State University
- Ruby J. Phillips (1973)**  
Lecturer in Special Education  
M.Ed., University of Illinois
- Judy M. Pierce (1974)**  
Faculty Associate in the Metcalf Elementary School  
B.S. in Ed., Illinois State University
- Walter D. Pierce (1969)**  
Associate Professor of Education  
Ed.D., University of Southern California
- L. Louese M. Pilch (1962)**  
Assistant Professor of English (University High School)  
M.A., University of Illinois
- Grace K. Pittman (1970)**  
Assistant in Academic Advisement, Executive Assistant  
M.A., University of Illinois
- Betty J. Plummer (1974)**  
Instructor in English  
M.S., Illinois State University
- Mark A. Plummer (1960)**  
Chairman of the Department of History, Professor of History  
Ph.D., The University of Kansas
- Olgert Pocs (1960)**  
Assistant Professor of Sociology  
M.A., University of Illinois
- Betty R. Poe (1972)**  
Faculty Assistant in History  
M.S., Illinois State University
- Douglas Poe (1959)**  
Professor of Economics  
Ph.D., Indiana University
- Vernon C. Pohlmann (1955)**  
Professor of Sociology  
Ph.D., Washington University
- Jerry J. Polacek (1970)**  
Instructor in Health, Physical Education, and Recreation  
M.S., Illinois State University
- Dennis R. Pollack (1971)**  
Assistant Professor of Psychology  
Ph.D., Michigan State University
- Michael Pollock (1971)**  
Professor of Music  
Queens College; American Theatre Wing Professional Training Program
- Elizabeth T. Pope (1973)**  
Assistant Librarian, Assistant Professor of Library Science  
M.S. in L.S., Drexel University
- Richard M. Portee (1969)**  
Assistant Football Coach, Assistant Athletic Director, Executive Assistant  
M.S., Illinois State University
- Charles B. Porter (1961)**  
Dean of the College of Applied Science and Technology, Professor of Industrial Technology  
Ed.D., University of Illinois
- Roger E. Potter (1971)**  
Associate Professor of Finance  
Ph.D., St. Louis University  
Leave of Absence in 1974-75 School Year
- Joy K. Potthoff (1973)**  
Assistant Professor of Art  
M.F.A., The School of the Art Institute of Chicago
- David G. Poultny (1968)**  
Associate Professor of Music  
Ph.D., The University of Michigan
- Mildred S. Pratt (1969)**  
Associate Professor of Social Work  
Ph.D., University of Pittsburgh
- Lillian J. Prault (1971)**  
Faculty Associate in the Metcalf Elementary School  
B.S. in Ed., Illinois State University
- Robert L. Preston (1974)**  
Assistant Professor of Physiology  
Ph.D., University of California
- Samuel T. Price (1968)**  
Professor of Special Education  
Ed.D., University of Pittsburgh
- Calvin L. Pritner (1966)**  
Chairman of the Department of Theatre, Professor of Theatre  
Ph.D., University of Illinois
- James R. Prombo (1974)**  
Faculty Associate in the Metcalf Elementary School  
B.S. in Ed., Illinois State University
- Daniel R. Prosser (1971)**  
Director of the Reading Study Center, Executive Assistant  
M.S. in Ed., Illinois State University
- Walter L. Punke (1972)**  
Lecturer in Information Sciences  
B.S., Illinois Wesleyan University
- W. Laurence Quane (1967)**  
Associate Professor of Industrial Technology  
Ph.D., Michigan State University
- Warren P. Quensel (1964)**  
Executive Assistant in Industrial Technology  
M.S. in Ed., Illinois State University
- Dorothy J. Quisenberry (1970)**  
Associate Professor of Health, Physical Education, and Recreation  
Ph.D., The Ohio State University
- David D. Rademacher (1969)**  
Faculty Associate in Elementary Education  
M.Ed., University of Illinois
- Kenneth M. Ralph (1974)**  
Counselor in the Student Counseling Services, Executive Assistant  
M.A., Southern Illinois University
- David D. Ramsey (1973)**  
Associate Professor of Economics  
Ph.D., University of Minnesota
- Gary C. Ramseyer (1965)**  
Professor of Psychology  
Ph.D., The University of Iowa
- Taimi M. Ranta (1959)**  
Professor of English  
Ph.D., University of Minnesota
- Lynn S. Rapin (1973)**  
Assistant Professor of Education, Counselor in the Student Counseling Services  
Ph.D., University of Illinois
- Jo Ann Rayfield (1966)**  
Assistant Professor of History  
Ph.D., Vanderbilt University  
Leave of Absence, Second Semester, 1974-75 School Year
- Robert M. Reardon (1967)**  
Adjunct Professor of Ophthalmology  
M.D., The State University of New York  
Downstate Medical Center at Brooklyn
- Gordon M. Redding (1972)**  
Assistant Professor of Psychology  
Ph.D., The University of Wisconsin  
Madison
- Candace W. Reeder (1973)**  
Instructor in Music  
M.M., Indiana University
- Rebecca T. Reeder (1972)**  
Assistant Librarian, Instructor in Library Science  
M.S., University of Illinois
- Ruth M. Reeder (1974)**  
Faculty Associate in the Metcalf Elementary School  
B.S. in Ed., Illinois State University
- William F. Reeder (1973)**  
Assistant Professor of Music  
A.B., Washington University
- John T. Rehm (1969)**  
Assistant Professor of Music  
M.M., Indiana University
- Earl A. Reitan (1954)**  
Professor of History  
Ph.D., University of Illinois
- Richard C. Reiter (1964)**  
Professor of Chemistry  
Ph.D., Purdue University
- Max R. Rennels (1968)**  
Associate Professor of Art  
Ed.D., Indiana University
- Stanley W. Renner (1968)**  
Assistant Professor of English  
Ph.D., The University of Iowa
- Vernon L. Replogle (1950)**  
Director of the Metcalf Elementary School, Professor of Elementary Education  
Ed.D., University of Illinois
- Joyce A. Rescho (1974)**  
Instructor in Accounting  
M.S., Illinois State University
- Kenneth A. Retzer (1959)**  
Professor of Mathematics  
Ph.D., University of Illinois
- Evelyn J. Rex (1958)**  
Professor of Special Education  
Ph.D., George Peabody College for Teachers
- W. Max Rexroad (1969)**  
Assistant Professor of Accounting  
M.A.S., University of Illinois; C.P.A.
- Jonathan E. Reyman (1972)**  
Assistant Professor of Anthropology  
Ph.D., Southern Illinois University
- Dent M. Rhodes (1965)**  
Professor of Education  
Ph.D., The Ohio State University
- E. Ione Rhymer (1954)**  
Professor of Bacteriology  
Ph.D., University of Illinois
- Joan S. Rich (1973)**  
Instructor in Business Education  
M.A., George Peabody College for Teachers
- John H. Rich (1964)**  
Professor of Business Education  
Ed.D., Indiana University
- Brent D. Richards (1969)**  
Assistant Professor of Biological Sciences  
Ph.D., Michigan State University
- Doris M. Richards (1951)**  
Assistant Professor of Speech Pathology and Audiology  
M.S., The University of Michigan
- Arlan G. Richardson (1971)**  
Associate Professor of Chemistry and Biological Sciences  
Ph.D., Oklahoma State University
- Carmen H. Richardson (1971)**  
Associate Professor of English  
Ed.D., Oklahoma State University
- Karol A. Richardson (1974)**  
Instructor in Education  
M.A., Illinois State University
- Mary A. Richmond (1962)**  
Assistant Librarian, Assistant Professor of Library Science (Metcalf Elementary School)  
M.S. in L.S., University of Illinois
- R. Omar Rilett (1958)**  
University Professor of Biological Sciences  
Ph.D., The University of Wisconsin
- Pamela S. Ritch (1973)**  
Instructor in Theatre  
M.A., University of Washington
- Robert K. Ritt (1971)**  
Chairman of the Department of Mathematics, Professor of Mathematics  
Ph.D., Columbia University

- Stanley G. Rives (1958)**  
Dean of Undergraduate Instruction,  
Professor of Information Sciences  
Ph.D., Northwestern University
- Frederick J. Roberts (1968)**  
Assistant Professor of Political Science  
Ph.D., Princeton University
- Hibbert R. Roberts (1968)**  
Chairman of the Department of Political  
Science, Professor of Political Science  
Ph.D., University of Washington
- Don R. Robinson (1972)**  
Assistant Professor of Business  
Administration  
D.B.A., Louisiana State University
- William J. Robinson (1970)**  
Head Basketball Coach, Executive Assistant  
M.A., University of Michigan
- James L. Roderick (1956)**  
Professor of Music  
Ed.D., University of Illinois
- Jose A. Rodriguez (1961)**  
Associate Professor of Spanish  
Ph.D., Universidad de la Habana,  
La Habana, Cuba
- James E. Rogers (1974)**  
Director of Outdoor Programs in Campus  
Recreation, Executive Assistant  
B.S., Southern Illinois University
- Linda L. Rolfe (1972)**  
Area Manager in Housing, Executive  
Assistant  
B.S., Illinois State University
- Robert R. Romeo (1973)**  
Instructor in Theatre  
M.S., Illinois State University
- Shirley S. Roney (1973)**  
Assistant Director of Sports Information  
in Public Affairs, Executive Assistant  
B.S., Southern Illinois University
- Stephen E. Rosenbaum (1971)**  
Assistant Professor of Philosophy  
Ph.D., University of Illinois
- Paul E. Rosene (1967)**  
Assistant Professor of Music  
M.S. in Ed., Illinois State University
- Robert L. Roussey (1967)**  
Assistant Professor of French  
A.M., University of Illinois
- Mary A. Rozum (1950)**  
Assistant Professor of Elementary  
Education (Metcalf Elementary School)  
M.S. in Ed., University of Illinois
- Donald D. Ruby (1966)**  
Instructor in Industrial Technology  
M.S., Illinois State University
- Robert E. Rumery (1964)**  
Assistant Professor of Psychology  
Ph.D., University of Illinois  
Leave of Absence, Second Semester,  
1974-75 School Year
- James D. Rundall (1974)**  
Faculty Assistant in Accounting  
B.S., Illinois State University
- Garth E. Runion (1972)**  
Assistant Professor of Mathematics  
Ph.D., University of Illinois
- Paula S. Rushing (1973)**  
Executive Assistant in the Metcalf  
Elementary School  
A.A.S., Illinois Central College
- L. Eloise Russell (1964)**  
Faculty Assistant in Health, Physical  
Education, and Recreation  
B.S., University of Alabama
- Thomas L. Ruud (1962)**  
Administrative Assistant to the Dean of  
the College of Fine Arts, Executive  
Assistant  
M.S., The University of Wisconsin
- Bernard L. Ryder (1956)**  
Professor of Chemistry  
Ph.D., University of Illinois
- Howard H. Rye (1957)**  
Professor of Music  
Ed.D., Columbia University
- Joe A. Sagebiel (1970)**  
Associate Professor of Animal Science  
Ph.D., University of Missouri
- Jacqueline M. Salome (1971)**  
Faculty Associate in Special Education  
M.S. in Ed., Illinois State University
- Richard A. Salome (1964)**  
Associate Professor of Art  
Ed.D., Stanford University
- Herbert C. Sanders (1949)**  
Associate Professor of Music  
M.M., Northwestern University
- Dorothy D. Sands (1970)**  
Assistant Professor of Accounting  
M.S., Illinois State University; C.P.A.
- Theodore Sands (1950)**  
Director of International Studies,  
Professor of History  
Ph.D., The University of Wisconsin
- Barbara L. Sarff (1974)**  
Assistant Coordinator of University Events  
and Student Activities, Executive  
Assistant  
B.S., Illinois State University
- Ruth J. Sault (1970)**  
Assistant Professor of German  
Ph.D., University of Illinois
- Frank S. Saurman (1973)**  
Director of Financial Aids,  
Executive Assistant  
M.Ed., Temple University
- William A. Savage (1970)**  
Coordinator of Academic Services in the  
High Potential Students Program,  
Executive Assistant  
M.S. in Ed., Illinois State University
- Edward L. Schapsmeier (1966)**  
Professor of History  
Ph.D., University of Southern California
- Jean Scharfenberg (1966)**  
Professor of Theatre  
Ph.D., The University of Wisconsin
- William H. Schauer (1972)**  
Assistant Professor of Political Science  
Ph.D., The University of Kansas
- Michael D. Schermer (1974)**  
Administrative Assistant to the Dean of  
Student Affairs, Executive Assistant  
B.S., Illinois State University
- Thomas W. Schiebel (1971)**  
Assistant Professor of Speech Pathology  
and Audiology  
A.M., The University of Rochester
- Isaac J. Schlosser (1974)**  
Instructor in Biological Sciences  
M.S., Illinois State University
- Warren H. P. Schmakel (1974)**  
Director of Intercollegiate Athletics for  
Men, Executive Assistant  
M.A., Columbia University
- Leonard W. Schmalz (1974)**  
Associate Professor of Psychology  
Ph.D., The University of Michigan
- Sally Jo Schmid (1974)**  
Executive Assistant in the Day Care Center  
M.S. in Ed., Illinois State University
- William T. Schmid (1971)**  
Coordinator of Media Services, Assistant  
Professor of Information Sciences  
Ph.D., The Ohio State University
- Warren B. Schmidgall (1974)**  
Faculty Assistant in Accounting  
B.S., Illinois State University
- Cinda M. Schmidt (1974)**  
Faculty Associate in the Metcalf  
Elementary School  
M.S. in Ed., Eastern Illinois University
- Donald P. Schmidt (1971)**  
Associate Professor of Psychology  
Ph.D., University of Washington
- Elise A. Schmidt (1958)**  
Professor of Geography  
Ph.D., University of Munich, Germany
- Suzanne R. Schmidt (1974)**  
Instructor in Theatre  
M.F.A., University of Texas at Austin
- Winnia L. Schmidt (1974)**  
Instructor in Elementary Education  
M.S. in Ed., Illinois State University
- James A. Schmiechen (1975)**  
Assistant Professor of History  
M.A., Illinois State University
- Raymond L. Schmitt (1968)**  
Professor of Sociology  
Ph.D., The University of Iowa
- Theodore J. Schmitz (1972)**  
Assistant Football Coach, Executive  
Assistant  
M.S. in Ed., Eastern Illinois University
- Joyce E. Schmucker (1973)**  
Lecturer in Medical Records Administration  
in the Center for Allied Health  
Professions  
B.S., Illinois State University
- Judith W. Schnaitter (1971)**  
Psychologist in the Student Counseling  
Services, Executive Assistant  
M.A., University of Minnesota  
Leave of Absence in the 1974-75  
School Year
- Virginia Schnepf (1967)**  
Professor of Elementary Education  
Ed.D., University of Illinois
- Richard J. Schoenberger (1973)**  
Assistant Professor of Physics  
Ph.D., Iowa State University
- Max Schoenfeld (1971)**  
Assistant Professor of Music  
B.M., Manhattan School of Music
- Ronald L. Schow (1972)**  
Assistant Professor of Speech Pathology  
and Audiology  
M.S., Utah State University
- Juergen M. Schroer (1969)**  
Professor of Physics  
Ph.D., Cornell University  
Leave of Absence, Second Semester,  
1974-75 School Year
- Joan M. Schuetz (1973)**  
Lecturer in Music  
University of Illinois, Hochschule Fuer  
Musik, Illinois State University
- Peter F. Schuetz (1963)**  
Assistant Professor of Music  
M.M., University of Illinois
- Richard V. Schuler (1970)**  
Assistant Director of the Laboratory  
School Unit, Executive Assistant  
M.S. in Ed., Illinois State University
- June E. Schultz (1969)**  
Instructor in Elementary Education  
M.A., Illinois State University
- Luella E. Schultz (1958)**  
Assistant Professor of Elementary  
Education (Metcalf Elementary School)  
A.M., Colorado State College
- Fritz E. Schwalm (1970)**  
Associate Professor of Biological Sciences  
Ph.D., Philipps Universitaet Marburg  
(Germany)
- Christ F. Schwelle (1968)**  
Executive Secretary of the Student Code  
Enforcement and Review Board,  
Executive Assistant  
M.S. in Ed., Eastern Illinois University
- Jimmy D. Scott (1957)**  
Associate Professor of Health, Physical  
Education, and Recreation (University  
High School)  
Ed.D., University of Missouri
- Peggy E. Scott (1974)**  
Faculty Associate in University High  
School  
B.A., Illinois State University
- Phebe M. Scott (1966)**  
Acting Chairman of the Department of  
Health, Physical Education, and  
Recreation; Professor of Health, Physical  
Education, and Recreation  
Ph.D., The State University of Iowa
- James R. Scringgeour (1971)**  
Assistant Professor of English  
Ph.D., University of Massachusetts
- James A. Seaman (1973)**  
Assistant to the Director of Academic  
Advisement, Executive Assistant  
M.Div., The Hartford Seminary Foundation
- Thomas K. Searight (1959)**  
Professor of Geology  
Ph.D., University of Illinois
- Thomas G. Secoy (1968)**  
Professor of Accounting  
Ph.D., University of Illinois; C.P.A.
- James E. Sedgwick, Jr. (1972)**  
General Manager of Student Publications  
in Public Affairs, Executive Assistant  
B.S., University of Illinois
- Margarette A. Seibel (1972)**  
Assistant Librarian, Assistant Professor  
of Library Science  
M.A.L.S., Rosary College
- William D. Senglak (1974)**  
Assistant Professor of Information Sciences  
Ph.D., University of Minnesota
- Dorothy M. Sessions (1972)**  
Adjunct Instructor in Special Education  
M.Ed., University of Illinois



- Kyle C. Sessions (1967)**  
Director of the Honors Program,  
Associate Professor of History  
Ph.D., The Ohio State University
- Charles H. Shankle (1974)**  
Area Manager in Housing,  
Executive Assistant  
M.S., East Texas State University
- John R. Sharpam (1972)**  
Associate Professor of Theatre  
Ph.D., University of Colorado
- Katherine V. Shaw (1968)**  
Assistant Librarian, Assistant Professor  
of Library Science (University High  
School)  
Ed.S., Western Michigan University
- Karen G. Shelly (1969)**  
Executive Assistant in Public Affairs  
M.S., Illinois State University
- Michael B. Shelly (1974)**  
Assistant Professor of Information Sciences  
Ph.D., Southern Illinois University
- Charles E. Sherman (1969)**  
Associate Professor of Education  
Ed.D., Northern Illinois University
- Suzanne K. Sherman (1971)**  
Instructor in Information Sciences  
M.S., Illinois State University
- William R. Sherman (1974)**  
Instructor in English  
M.S., Illinois State University
- Thomas W. Shilgalis (1967)**  
Assistant Professor of Mathematics  
Ph.D., University of Illinois
- Eliot R. Shimer (1974)**  
Associate Professor of Social Work  
D.S.W., Case Western Reserve University
- Tai Saeng Shin (1968)**  
Associate Professor of Finance  
Ph.D., University of Illinois
- Edmund N. Shlens (1974)**  
Assistant Professor of Business  
Administration  
Ph.D., University of Illinois
- Murray M. Short (1964)**  
Assistant Professor of Education  
(Metcalf Elementary School)  
M.A., George Peabody College for  
Teachers
- David L. Shrader (1974)**  
Chairman of the Department of Music,  
Professor of Music  
D.M.A., University of Oregon
- Sol Shulman (1969)**  
Professor of Chemistry  
Ph.D., North Dakota State University  
Leave of absence, Second Semester,  
1974-75 School Year
- Stanley B. Shuman (1960)**  
Associate Dean of Academic Services,  
Professor of Geography  
Ph.D., University of Illinois
- Herbert C. Sieg (1966)**  
Assistant Professor of Accounting  
M.A.S., University of Illinois; C.P.A.
- Leonard E. Sigler (1974)**  
Assistant Professor of Agricultural  
Mechanics  
M.Ed., University of Illinois
- Barbara D. Silver (1972)**  
Counselor in the Student Counseling  
Services, Executive Assistant  
B.A., Berea College
- Robert Silver (1969)**  
Coordinator of Training and Staff  
Development in the Office of the  
Student Counseling Services, Assistant  
Professor of Psychology  
Ph.D., Indiana University
- L. Moody Simms, Jr. (1967)**  
Professor of History  
Ph.D., University of Virginia
- Herman J. Simon (1973)**  
Staff Assistant and Coordinator of  
Recruitment/Admissions in the High  
Potential Student Program, Executive  
Assistant  
M.S. in Ed., Illinois State University
- Arnold A. Slan (1967)**  
Professor of Elementary Education  
Ed.D., Indiana University
- Ann R. Smith (1973)**  
Assistant Librarian, Instructor in Library  
Science  
M.A., University of Minnesota
- Dorothea F. Smith (1973)**  
Visiting Assistant Professor of Psychology  
M.Ed., University of Illinois
- Gerald W. Smith (1970)**  
Visiting Professor of Educational  
Administration  
M.A., The University of Iowa
- Gwen K. Smith (1946)**  
Professor of Health, Physical Education,  
and Recreation  
Ph.D., The University of Iowa
- Kathryn W. Smith (1974)**  
Associate Professor of Home Economics  
Ed.D., University of Illinois
- Michael L. Smith (1973)**  
Assistant Professor of Insurance  
Ph.D., University of Minnesota
- Nelson Smith (1946)**  
Director of Photographic Services,  
Assistant Professor of Education  
M.S. in Ed., Illinois State University
- Ralph L. Smith (1959)**  
Professor of Information Sciences  
Ph.D., The University of Wisconsin
- Robert R. Smith (1966)**  
Assistant Professor of Marketing  
M.S., Illinois State University
- A. Gene Smithson (1971)**  
Assistant Basketball Coach, Executive  
Assistant  
M.S., Indiana State University
- Judith J. Smithson (1967)**  
Instructor in Special Education  
M.S. in Ed., Southern Illinois University  
One-half time leave of absence, First  
Semester, 1974-75 School Year
- M. David Snyder (1968)**  
Instructor in Business Administration  
M.S., Southern Illinois University
- Alan R. Sodetz (1972)**  
Assistant Professor of Psychology  
Ph.D., University of Missouri (Columbia)
- Robert Sokan (1969)**  
Assistant Librarian, Assistant Professor  
of Library Science  
M.S., University of Illinois  
Leave of Absence, First Semester,  
1974-75 School Year
- Linda M. Sorrells (1965)**  
Assistant Professor of Health, Physical  
Education, and Recreation  
M.S., University of Illinois
- John C. Spears (1974)**  
Instructor in Business Administration  
M.B.A., Western Michigan University
- Irwin Spector (1948)**  
Professor of Music  
Ph.D., New York University
- Robert D. Speiser (1974)**  
Assistant Professor of Mathematics  
Ph.D., Cornell University
- Lawrence E. Spence (1970)**  
Assistant Professor of Mathematics  
Ph.D., Michigan State University
- Charles T. Spencer (1972)**  
Acting Director of the Center for  
Allied Health Professions, Assistant  
Professor of Medical Technology  
M.S., Wayne State University
- Robin D. Spital (1974)**  
Assistant Professor of Physics  
Ph.D., Cornell University
- Charles T. Sproat (1974)**  
Assistant Area Manager in Housing  
Executive Assistant  
B.A., Illinois State University
- Jo Ann O. Spurgeon (1973)**  
Faculty Associate in the Metcalf  
Elementary School  
B.S. in Ed., Illinois State University
- Olympia D. Spurling (1969)**  
Assistant Professor of Sociology  
M.S.W., University of Illinois
- Andrea L. Stamm (1974)**  
Assistant Librarian, Instructor in Library  
Science  
M.S., University of Illinois
- Diana K. Starzinger (1974)**  
Assistant Professor of Special Education  
M.A., Southeast Missouri State University
- John P. States (1972)**  
Instructor in Business Law  
LL.B., The University of Wisconsin
- Keith E. Stearns (1973)**  
Associate Professor of Special Education  
Ed.D., Indiana University
- J. Russell Steele (1947)**  
Assistant Director of Public Affairs,  
Assistant Professor of Health,  
Physical Education, and Recreation  
M.S. in Ed., Illinois State University
- E. Robert Steff (1966)**  
Assistant Professor of Art  
M.S., Southern Illinois University
- Linda D. Steff (1972)**  
Instructor in Elementary Education  
M.S. in Ed., Illinois State University
- C. Louis Steinburg (1959)**  
Associate Professor of Art  
M.S. in Ed., Southern Illinois University
- Lance K. Stell (1972)**  
Assistant Professor of Philosophy  
Ph.D., The University of Michigan
- Daniel R. Stephens (1974)**  
Lecturer in Music  
M.M., Michigan State University
- Myrna L. Stephens (1968)**  
Assistant Professor of Health, Physical  
Education, and Recreation  
M.S. in P.E., The University of North  
Carolina at Greensboro
- S. Joann Stephens (1964)**  
Assistant Professor of Special Education  
M.S. in Spec. Educ., The University of  
Tennessee
- Bruce L. Stern (1973)**  
Assistant Professor of Business  
Administration  
D.B.A., Arizona State University
- Herold S. Stern (1971)**  
Associate Professor of Education  
Ph.D., New York University
- JoAnn Stewart (1974)**  
Executive Assistant in the Office of  
Institutional Research and Computer  
Operations  
B.A., Bowling Green State University
- Randolph A. Stewart (1972)**  
Assistant Librarian, Instructor in  
Library Science  
M.S. in L.S., University of Southern  
California
- Richard A. Stivers (1970)**  
Assistant Professor of Sociology  
Ph.D., Southern Illinois University
- Alma Stoddard (1961)**  
Assistant Professor of Health, Physical  
Education, and Recreation  
M.P.E., The University of Nebraska  
Leave of Absence, First Semester,  
1974-75 School Year
- Charles F. Stokes, Jr. (1974)**  
Assistant Professor of Music  
M.Mus., Indiana University
- Kenneth H. Strand (1970)**  
Research Consultant in Computer  
Services, Assistant Professor of Health,  
Physical Education, and Recreation  
Ph.D., The University of Iowa
- C. Edward Streeter (1967)**  
Chairman of the Department of  
Information Sciences, Professor of  
Information Sciences  
Ph.D., Michigan State University
- Earl G. Stringer (1973)**  
Assistant Professor of Theatre  
M.F.A., Michigan State University
- Michael D. Stubbs (1974)**  
Instructor in Finance  
M.B.A., Northern Illinois University
- Michael D. Sublett (1970)**  
Assistant Professor of Geography  
Ph.D., University of Chicago
- Gary R. Sudano (1970)**  
Assistant Professor of Music  
Ed.D., University of Illinois
- Frank Suggs, Jr. (1969)**  
Assistant Professor of Music  
M.M.Ed., University of Arizona
- William H. Sullivan (1972)**  
Lecturer in Educational Administration  
M.S. in Ed., Western Illinois University
- Michael R. Summers (1970)**  
Assistant Professor of Quantitative  
Methods  
M.B.A., University of Illinois
- Sandra C. Susman (1974)**  
Assistant Professor of Art  
M.A., University of Chicago

- Robert D. Sutherland (1964)**  
Professor of English  
Ph.D., State University of Iowa
- Arthur W. Sweet (1969)**  
Assistant Professor of Art  
M.S., The Florida State University
- John E. Tait (1974)**  
Instructor in Finance  
LL.B., University of Illinois
- Joe E. Talkington (1962)**  
Chairman of the Department of Home Economics and Industrial Technology,  
Professor of Industrial Technology  
Ed.D., University of Northern Colorado
- J. Curtis Tannahill (1964)**  
Associate Professor of Speech Pathology and Audiology  
Ph.D., The University of Kansas
- Rodger L. Tarr (1969)**  
Associate Professor of English  
Ph.D., University of South Carolina
- Patrick Tarrant (1963)**  
Professor of French  
Ed.D., Columbia University
- Joyce W. Tarter (1974)**  
Instructor in Home Economics  
M.S., Illinois State University
- Vivian Tasker (1960)**  
Assistant Professor of Special Education  
M.A., Northwestern University
- Carroll A. Taylor (1974)**  
Assistant Professor of Accounting  
M.S., Illinois State University; C.P.A.
- Fred A. Taylor (1974)**  
Assistant Professor of Elementary Education  
Ph.D., Purdue University
- George D. Taylor (1969)**  
Affirmative Action Officer, Executive Assistant  
M.Ed., Tuskegee Institute
- Tse-Hao Tcheng (1969)**  
Coordinator of Analytical Studies in the Office of Institutional Research and Computer Operations, Associate Professor of Information Sciences  
Ph.D., The University of Iowa
- Tse-Kia Tcheng (1968)**  
Director of Academic and Research Consultation in Computer Services, Associate Professor of Health, Physical Education, and Recreation  
Ph.D., The University of Iowa
- David R. Tell (1974)**  
Assistant Professor of Art  
M.F.A., Alfred University
- Donald F. Templeton (1950)**  
Director of Academic Advisement, Assistant to the Dean of the University, Assistant Professor of English  
M.A., The University of Iowa
- Isabelle Terrill (1949)**  
Director of Housing, Associate Professor of Music  
Ed.D., Columbia University
- Manhar P. Thakore (1968)**  
Assistant Librarian, Assistant Professor of Library Science  
M.S., University of Illinois
- Virginia C. Tholen (1974)**  
Lecturer in Medical Records  
Administration in the Center for Allied Health Professions  
B.S., University of Illinois Medical Center
- Bonnie B. Thomas (1973)**  
Assistant Professor of Education  
Ed.D., Illinois State University
- Carlos M. Thomas (1973)**  
Assistant Area Manager in Housing, Executive Assistant  
B.S., Illinois State University
- Clayton F. Thomas (1964)**  
Chairman of the Department of Educational Administration, Professor of Educational Administration  
Ph.D., The University of Iowa
- Shailer Thomas (1969)**  
Assistant Dean of the University, Professor of Sociology  
Ph.D., Michigan State University
- Nancy B. Thomley (1967)**  
Assistant Professor of Speech Pathology and Audiology (Metcalf Elementary School)  
M.S., Illinois State University
- James T. Thompson (1966)**  
Associate Professor of Animal Science  
Ph.D., University of Kentucky
- Luanne Thompson (1969)**  
Instructor in Health, Physical Education, and Recreation (University High School)  
M.Ed., University of Arkansas
- Dale R. Thorson (1974)**  
Faculty Assistant in Accounting  
B.S., Illinois State University
- Ray I. Throckmorton (1972)**  
Coordinator of University Events and Student Activities, Executive Assistant  
B.S., Northern Illinois University
- Michael E. Thuis (1972)**  
Assistant Professor of Special Education  
M.A., Western Michigan University
- Terry M. Tibble (1974)**  
Faculty Associate in the Metcalf Elementary School  
B.S. in Ed., Illinois State University
- Wendell B. Tinsley (1970)**  
Assistant Professor of Art  
M.F.A., The University of Iowa
- Leon W. Toepke (1974)**  
Assistant Professor of Accounting  
M.S., Illinois State University; C.P.A.
- William L. Tolone (1970)**  
Assistant Professor of Sociology  
Ph.D., The University of Tennessee
- Jim N. Tone (1963)**  
Associate Professor of Physiology and Anatomy  
Ph.D., Iowa State University
- Myrna M. Toney (1971)**  
Assistant Professor of Elementary Education  
Ph.D., The University of Wisconsin
- Thomas R. Toperzer (1972)**  
Director of University Galleries, Assistant Professor of Art  
M.F.A., The University of Nebraska
- Margaret M. Torrey (1972)**  
Director of the University Health Service, Executive Assistant  
M.D., Northwestern University
- Naomi W. Townner (1965)**  
Associate Professor of Art  
M.F.A., Rochester Institute of Technology
- Julia J. Townsend (1974)**  
Instructor in Elementary Education  
M.A., Bradley University
- Robert B. Townsend (1967)**  
Assistant Librarian, Assistant Professor of Library Science  
M.S., University of Illinois
- Eckard V. Toy, Jr. (1972)**  
Assistant Professor of History  
Ph.D., University of Oregon
- Linda G. Troman (1973)**  
Instructor in Business Education  
M.S. in Ed., Illinois State University
- John E. Trotter (1956)**  
Chairman of the Department of Geography-Geology, Professor of Geography  
Ph.D., The University of Chicago
- Rosemary B. Trudeau (1973)**  
Admissions Counselor, Executive Assistant  
B.A., Rosary College
- Wayne O. Truex (1957)**  
Professor of Health, Physical Education, and Recreation  
Ed.D., University of Utah  
Leave of Absence, First Semester, 1974-75 School Year
- Joseph C. Tsang (1968)**  
Associate Professor of Chemistry and Biological Sciences  
Ph.D., The University of Oklahoma
- Michael T. Turner (1975)**  
Adjunct Associate Professor of Plant and Soil Science  
Ph.D., Iowa State University
- Robert T. Tussing (1968)**  
Professor of Accounting  
Ph.D., The University of Texas; C.P.A.; C.D.P.
- Charles A. Tyler (1974)**  
Associate Director of Financial Aids, Executive Assistant  
M.S. in Ed., Indiana University
- Donald E. Udey (1972)**  
Faculty Associate in University High School  
M.A., The University of Iowa
- Sadie B. Udstuen (1950)**  
Assistant Professor of Elementary Education (Metcalf Elementary School)  
M.A., Northwestern University
- Barbara S. Uehling (1974)**  
Dean of the College of Arts and Sciences, Professor of Psychology  
Ph.D., Northwestern University
- Charlotte M. Upton (1958)**  
Assistant Professor of Home Economics  
M.S. in Ed., Illinois State University
- Claudia S. Urech (1975)**  
Lecturer in Medical Records Administration  
B.S., Illinois State University
- Gary D. Urton (1973)**  
Research Assistant in Anthropology, Executive Assistant  
M.A., University of Illinois
- Arden L. Vance (1949)**  
Assistant Professor of Music  
M.M., Northwestern University
- Vaughn Vandegrift (1974)**  
Assistant Professor of Chemistry and Biological Sciences  
Ph.D., The Ohio University
- Charles L. Vanden Eynden (1969)**  
Professor of Mathematics  
Ph.D., University of Oregon
- Edna R. Vanderbeck (1966)**  
Assistant Professor of Health, Physical Education, and Recreation  
M.S., Illinois State University
- Wilbur R. Venerable (1963)**  
Director of Admissions and Records, Associate Professor of Education  
Ph.D., Southern Illinois University
- Jared Verner (1973)**  
Professor of Biological Sciences  
Ph.D., University of Washington
- Joel G. Verner (1967)**  
Associate Professor of Political Science  
Ph.D., University of Kansas  
Leave of Absence, Second Semester, 1974-75 School Year
- Walter M. Vernon (1963)**  
Professor of Psychology  
Ph.D., Washington University
- Aaron A. Vessup (1974)**  
Instructor in Information Sciences  
M.S., Illinois State University
- Dale B. Vetter (1941)**  
University Professor of English  
Ph.D., Northwestern University
- Michael H. Vinitzky (1972)**  
Assistant Professor of Psychology  
Ph.D., University of Minnesota
- Ross E. Vogel (1972)**  
Assistant to the Director of Measurement and Evaluation Service, Executive Assistant  
M.S. in Ed., Illinois State University
- Frank C. Vybiral (1971)**  
Instructor in Theatre  
M.F.A., The University of Texas at Austin
- Edward V. Waage (1970)**  
Assistant Professor of Chemistry  
Ph.D., University of Washington
- Larry K. Wagner (1969)**  
Assistant Football Coach, Assistant Athletic Director, Executive Assistant  
M.S. in Ed., Southern Illinois University
- Elizabeth S. Wahls (1967)**  
Instructor in Home Economics  
M.S., Illinois State University
- Margaret C. Waimon (1962)**  
Assistant Professor of Psychology  
B.S., College of the City of New York
- Morton D. Waimon (1961)**  
Professor of Education  
Ed.D., Columbia University
- Lawrence D. Walker (1969)**  
Associate Professor of History  
Ph.D., University of California at Berkeley
- Linda K. Walker (1974)**  
Faculty Associate in University High School  
B.S. in Ed., Illinois State University
- Victor S. Walker (1974)**  
Instructor in English  
M.F.A., Bowling Green University
- Joseph E. Wallace (1966)**  
Assistant Professor of Education  
B.S., Loyola University
- Robert H. Walsh (1964)**  
Associate Professor of Sociology  
Ph.D., The University of Iowa



- Anne Beveney Walter (1963)**  
Instructor in Art  
M.S., Illinois State University
- William D. Walters (1969)**  
Assistant Professor of Geography  
Ph.D., Indiana University
- Peter Y. Wang (1972)**  
Assistant Professor of Health, Physical Education, and Recreation  
Ph.D., The University of New Mexico
- Jack A. Ward (1965)**  
Associate Professor of Ethology  
Ph.D., University of Illinois
- M. Jo Ann Warfield (1969)**  
Faculty Associate in the Metcalf Elementary School  
M.A., University of Illinois  
Leave of Absence in 1974-75 School Year
- George P. Warren (1960)**  
Assistant Professor of Physics (University High School)  
M.S., University of Illinois
- Penelope M. Warren (1973)**  
Counselor in the Student Counseling Services, Executive Assistant  
M.S., Illinois State University
- William L. Warren (1969)**  
Administrator in the University Health Service, Executive Assistant  
University of Maryland, University of Kansas City, Roosevelt University
- Charles S. Wasser (1972)**  
Instructor in Information Sciences  
M.A., Southwest Missouri State University
- D. Gene Watson (1968)**  
Assistant Professor of Educational Administration  
Ph.D., University of Chicago
- Darlene H. Weber (1968)**  
Assistant Professor of Health Education  
Dir. of Health and Safety, Indiana University
- David F. Weber (1967)**  
Associate Professor of Genetics  
Ph.D., Indiana University
- Gary D. Weede (1970)**  
Associate Professor of Industrial Technology  
Ph.D., Iowa State University
- Leslie A. Weedon (1974)**  
Instructor in Industrial Technology  
M.S., Illinois State University
- Robert D. Weigel (1959)**  
Professor of Vertebrate Zoology and Paleontology  
Ph.D., University of Florida
- Joan A. Weisbecker (1973)**  
Lecturer in Medical Records Administration in the Center for Allied Health Professions  
Illinois Wesleyan University, University of Illinois, Southern Illinois University, Northwestern University
- Milton E. Weisbecker (1963)**  
Director of Alumni Services and Development, Professor of Health, Physical Education, and Recreation  
Ed.D., Syracuse University
- Alan W. Weith (1965)**  
Gymnastics Coach, Assistant Professor of Health, Physical Education, and Recreation  
M.S. in Ed., Eastern Illinois University
- Roger B. Weller (1965)**  
Assistant Professor of Health, Physical Education, and Recreation  
M.S. in Ed., Illinois State University  
Leave of Absence in 1974-75 School Year
- Ronald C. Wells (1970)**  
Head Golf Coach, Executive Assistant  
B.S., Illinois State University
- Harold P. Welsch (1966)**  
Instructor in English  
M.A., Western Illinois University
- J. June Wennerstrom (1969)**  
Assistant Professor of Health, Physical Education and Recreation  
M.S. in Ed., Illinois State University
- Luceille G. Werner (1971)**  
Assistant Professor of English  
M.S., Illinois State University
- John H. Wesle (1952)**  
Assistant Professor of Art  
M.A., Western Reserve University
- Patricia M. Whitehart (1966)**  
Assistant Professor of Music  
S.M.M., Union Theological Seminary  
Leave of Absence in 1974-75 School Year
- Richard O. Whitcomb (1974)**  
Chairman of the Department of Foreign Languages, Professor of German  
Ph.D., Stanford University
- Charles A. White (1957)**  
Associate Dean of the Graduate School, Professor of Information Sciences  
Ph.D., The University of Wisconsin
- Patricia O. White (1966)**  
Assistant in Academic Advisement, Executive Assistant  
M.A., Illinois State University
- Ray Lewis White (1968)**  
Professor of English  
Ph.D., University of Arkansas
- James V. Whitman (1972)**  
Head Tennis Coach, Executive Assistant  
M.S., Illinois State University
- Peter Whitmer (1969)**  
Assistant Director of Development, Executive Assistant  
University of Illinois, Illinois Wesleyan University
- David T. Wiant (1974)**  
Director of Personnel Services, Executive Assistant  
B.S., Western Michigan University
- Kathryn S. Wible (1974)**  
Instructor in Information Sciences  
M.A., Illinois State University
- Edward R. Wierenga (1974)**  
Assistant Professor of Philosophy  
Ph.D., University of Massachusetts
- Leah M. Wilcox (1972)**  
Assistant Professor of English  
Ed.D., University of Southern California
- Valerie J. Wilford (1969)**  
Assistant Professor of Information Sciences  
M.S., University of Illinois
- Jeral R. Williams (1970)**  
Associate Professor of Psychology  
Ph.D., The University of Iowa
- Macon L. Williams (1968)**  
Associate Professor of Psychology  
Ph.D., The Ohio State University
- Robert E. Williams (1967)**  
Lecturer in Business Law  
LL.B., The University of Kansas
- Stanley E. Williams (1969)**  
Associate Director of Institutional Research and Computer Operations, Executive Assistant  
M.A., Northeast Missouri State University
- Wayne R. Williams (1974)**  
Assistant Football Coach, Executive Assistant  
M.S. in Ed., Southern Illinois University
- Wenmouth Williams, Jr. (1974)**  
Assistant Professor of Information Sciences  
Ph.D., Florida State University
- Edwin R. Willis (1962)**  
Professor of Entomology  
Ph.D., The Ohio State University
- Janet H. Wills (1970)**  
Faculty Associate in the Metcalf Elementary School  
M.S., Illinois State University
- Barbara A. Wilmot (1974)**  
Instructor in Mathematics  
M.S., Illinois State University
- Beverly D. Wilson (1963)**  
Associate Professor of Health, Physical Education, and Recreation  
Ph.D., The Ohio State University
- Kay B. Wilson (1974)**  
Instructor in Mathematics  
M.S., University of Illinois
- Thomas D. Wilson (1961)**  
Assistant Professor of Political Science  
M.A., University of Illinois
- Vincent V. Wilson (1974)**  
Assistant Professor of Biological Sciences  
B.A., The University of Michigan
- Raymond V. Wiman (1973)**  
Professor of Information Sciences  
Ed.D., The University of Nebraska
- Michael W. Winchell (1974)**  
Lecturer in Business Education  
M.S., Illinois State University
- Paul R. Winn (1970)**  
Associate Professor of Business Administration  
Ph.D., University of Illinois
- Larry E. Winterholter (1968)**  
Assistant Professor of Health, Physical Education, and Recreation  
M.S., Illinois State University
- Vermell Wise (1948)**  
Assistant Professor of English  
Professional Diploma, Columbia University
- Forrest G. Wisely (1973)**  
Assistant Professor of Information Sciences  
Ed.D., University of Southern California
- Emory E. Wiseman (1963)**  
Associate Professor of Industrial Technology  
Ed.D., University of Illinois
- Harvey S. Woods (1957)**  
Professor of Agricultural Economics  
Ph.D., University of Illinois
- Betty Woodson (1957)**  
Assistant Professor of Special Education (Metcalf Elementary School)  
M.Ed., Wayne University
- William C. Woodson (1969)**  
Associate Professor of English  
Ph.D., University of Pennsylvania
- Donna Jo Workman (1959)**  
Professor of Health, Physical Education, and Recreation  
Ph.D., State University of Iowa
- Harold J. Wray (1973)**  
Assistant Professor of History  
Ph.D., University of Hawaii
- Ralph D. Wray (1970)**  
Associate Professor of Business Education  
Ed.D., Indiana University
- David W. Wright (1969)**  
Associate Professor of Information Sciences  
Ph.D., Wayne State University
- Walker D. Wyman, Jr. (1971)**  
Assistant Professor of History  
Ph.D., The University of Washington
- Evelyn K. Young (1974)**  
Faculty Associate in University High School  
B.S. in Ed., Illinois State University
- Martin A. Young (1968)**  
Chairman of the Department of Speech Pathology and Audiology, Director of the Speech and Hearing Clinic, Professor of Speech Pathology and Audiology  
Ph.D., The University of Iowa
- Robert D. Young (1967)**  
Associate Professor of Physics  
Ph.D., Purdue University
- W. Perry Young (1962)**  
Assistant Professor of Industrial Technology (University High School)  
M.A., Western Kentucky State College
- Richard C. Youngs (1964)**  
Associate Professor of Elementary Education  
Ph.D., Michigan State University
- Rachel A. Zehr (1968)**  
Faculty Associate in the Metcalf Elementary School  
M.S., Washington University
- Harvey G. Zeidenstein (1965)**  
Professor of Political Science  
Ph.D., New York University
- William D. Zeller (1963)**  
Professor of Education  
Ph.D., Michigan State University
- Marilyn P. Zimmerman (1975)**  
Visiting Professor of Music  
Ed.D., University of Illinois
- Thomas C. Zins (1974)**  
Assistant Professor of Political Science  
M.A., Mankato State College
- Wayne H. Zook (1968)**  
Associate Professor of Industrial Technology  
Ph.D., The Iowa State University
- James F. Zvanut (1967)**  
Assistant Professor of Theatre  
M.F.A., The University of Texas  
Leave of Absence in the 1974-75 School Year

# Faculty Emeriti

The date following the name of the person indicates the year of joining the staff at this University.

- Frances M. Alexander (1945)**  
Assistant Professor of the Teaching of History  
A.M., University of Illinois
- Mabel C. Allen (1929)**  
Assistant Professor of Speech  
M.A., Northwestern University
- Marian Campbell Allen (1927)**  
Assistant Professor of Art  
M.A., Teachers College, Columbia University
- Hazelle M. Anderson (1960)**  
Assistant Professor of Information Sciences  
M.A., Northwestern University
- William D. Ashbrook (1947)**  
Professor of Industrial Technology  
Ph.D., University of Pittsburgh
- Eric Baber (1965)**  
Director of Research Services and Grants, Professor of Education  
Ed.D., Michigan State University
- Allie Ward Billingsley (1949)**  
Professor of Spanish  
Ph.D., University of Illinois
- G. Bradford Barber (1944)**  
Professor of Speech  
Ph.D., The Ohio State University
- Gladys L. Bartle (1930)**  
Associate Professor of Art  
Ph.D., The University of Wisconsin
- Ruth A. Bird (1950)**  
Assistant Professor of Health and Physical Education for Women  
M.S., University of Illinois
- Robert G. Bone (1956)**  
President, Professor of History  
Ph.D., University of Illinois
- Margaret K. Bradford (1951)**  
Assistant Professor of Home Economics  
M.S., Colorado State College
- Paul J. Brand (1958)**  
Professor of Geography  
Ed.D., Columbia University
- Elsie Brennehan (1927)**  
Director of Admissions and Assistant Professor of Education  
M.A., Northwestern University  
Deceased, August, 1974
- Elsie L. Bryan (1960)**  
Faculty Associate in the Metcalf Elementary School  
M.S., Illinois State University
- Cecilia P. Bunney (1945)**  
Director of Museums and Professor  
Ph.D., State University of Iowa
- Lessie Carlton (1955)**  
Professor of Education  
Ed.D., University of Houston
- Helen M. Cavanagh (1946)**  
Distinguished Professor of History  
Ph.D., The University of Chicago
- Helen Chiles (1948)**  
Assistant Professor of Latin  
A.M., University of Illinois
- Joseph T. Cogdal (1927)**  
Associate Professor of Health and Physical Education for Men  
A.M., University of Illinois
- Ruth L. Cole (1944)**  
Assistant Professor and Supervising Teacher in Metcalf  
M.A., Northwestern University
- Arnold C. Condon (1964)**  
Professor of Business Education  
Ph.D., New York University
- Frances Conkey (1936)**  
Associate Professor of Home Economics  
M.S., Iowa State University
- Marguerite Regina Connell (1928)**  
Professor of Latin  
Ed.D., Teachers College, Columbia University
- Margaret Cooper (1932)**  
Professor of Education  
Ed.D., Teachers College, Columbia University
- Mabel Percie Crompton (1924)**  
Assistant Professor of Geography  
S.M., The University of Chicago
- Lucile Z. Crosby (1940)**  
Assistant Librarian and Assistant Professor of Library Science  
M.S. in L.S., Library School, University of Illinois
- DeVerne H. Dalluge (1947)**  
Professor of Physics (University High School)  
Ed.D., University of Kentucky
- Frances L. Damm (1948)**  
Assistant Professor and Supervising Teacher in Metcalf  
M.S. in Ed., The University of Wisconsin
- Lillian S. Davies (1963)**  
Associate Professor of Elementary Education  
Ph.D., The University of Minnesota
- Florence P. Davis (1952)**  
Head of the Department of Home Economics, Professor of Home Economics  
Ph.D., The University of Chicago
- Alta J. Day (1928)**  
Assistant Professor of Business Education  
M.A., Teachers College, Columbia University
- William I. DeWees (1937)**  
Professor of Education  
Ed.D., The Pennsylvania State University
- Claude M. Dillinger (1944)**  
Special Assistant to the Dean of the Faculty, Professor of Psychology  
Ph.D., The University of Missouri
- Helen A. Dooley (1947)**  
Assistant Professor and Assistant Librarian  
M.A., University of Washington
- Thomas J. Douglass (1928)**  
Assistant Professor of Agriculture  
M.S., University of Illinois
- Alice L. Ebel (1934)**  
Professor of Political Science  
Ph.D., University of Illinois
- Dorothy Eckelmann (1945)**  
Professor of Speech Pathology and Audiology  
Ph.D., The University of Iowa
- Alice M. Eikenberry (1945)**  
Professor of the Teaching of History in University High School  
Ed.D., Teachers College, Columbia University
- Ralph A. Elliott (1963)**  
Medical Director of the University Health Service, Professor  
M.D., Northwestern University Medical School
- Margery Ellis (1927)**  
Assistant Professor of French  
A.M., The University of Chicago
- Gertrude Erbe (1949)**  
Assistant Professor and Supervising Teacher of Music in Metcalf  
M.M., Northwestern University
- Raymond W. Esworthy (1949)**  
Professor of Accounting  
Ph.D., University of Illinois
- G. Harlowe Evans (1946)**  
Professor of Chemistry  
Ph.D., The University of Michigan
- Dorothy S. Fagerburg (1957)**  
Assistant Professor of Library Science  
M.A., Occidental College
- Germaine E. Feldkamp (1960)**  
Assistant Director of Atkin-Colby Residence Hall, Faculty Assistant in Education  
Chicago College of Music, Northwestern School of Speech, University of Illinois
- Dorothy E. Fensholt (1951)**  
Professor of Botany  
Ph.D., Northwestern University
- Howard I. Fielding (1944)**  
Professor of English  
Ph.D., The University of Wisconsin
- Thelma G. Force (1932)**  
Assistant Professor of Psychology  
M.A., University of Minnesota
- Bernice G. Frey (1930)**  
Professor of Health and Physical Education for Women  
Ph.D., The University of Iowa
- Harold E. Frye (1931)**  
Assistant Professor of Health and Physical Education for Men  
M.A., New York University
- Beryl T. Galaway (1948)**  
Assistant Librarian, Assistant Professor of Library Science  
A.M.L.S., The University of Michigan
- Malinda D. Garton (1950)**  
Assistant Professor and Supervising Teacher, Mentally Retarded Intermediate  
A.M., Colorado State College of Education
- Harold E. Gibson (1950)**  
Director of the Bureau of Appointments, Professor of Education  
Ed.D., The University of Missouri
- Arley F. Gillett (1944)**  
Director of Athletics, Professor of Health, Physical Education, and Recreation  
P.E.D., Indiana University
- F. Russell Glasener (1935)**  
Professor of Economics  
Ph.D., State University of Iowa
- R. U. Gooding (1931)**  
Professor of Chemistry  
Ph.D., The University of Wisconsin
- Miriam Gray (1946)**  
Professor of Health and Physical Education for Women  
Ed.D., Teachers College, Columbia University
- Nina E. Gray (1935)**  
Professor of Biological Sciences  
Ph.D., The University of Wisconsin
- John W. Green (1939)**  
Assistant Professor of Agriculture  
M.S., University of Illinois
- Edna May Gueffroy (1929)**  
Professor of Geography  
Ph.D., University of Washington
- Clara L. Guthrie (1932)**  
Assistant Librarian, Assistant Professor of Library Science  
M.S. in L.S., Library School, University of Illinois
- Gertrude M. Hall (1936)**  
Director of Publicity, Associate Professor of Education  
Ed.D., Teachers College, Columbia University
- C. M. Hammerlund (1929)**  
Assistant Professor of Industrial Arts  
M.S., University of Illinois
- Howard J. Hancock (1931)**  
Director of Athletics, Associate Professor of Health and Physical Education for Men  
M.S., The University of Wisconsin
- Alice O'B. Harris (1952)**  
Assistant Professor and Supervising Teacher — Primary Educable Mentally Handicapped in Metcalf  
M.S. in Ed., University of Illinois
- Carl D. Heldt (1948)**  
Assistant Varsity Track Coach, Assistant Professor of Health and Physical Education for Men  
M.P.E., Purdue University
- Ruth Henline (1926)**  
Professor of English  
Ph.D., Northwestern University
- Grace Hiler (1951)**  
Assistant Professor of the Teaching of English  
M.A., The University of Iowa
- Dorothy Hinman (1925)**  
Assistant Professor of English  
M.A., Teachers College, Columbia University
- Bernice Holliday (1957)**  
Assistant Manager and Executive Assistant in Housing  
B.Ed., Western Illinois University
- F. Lincoln D. Holmes (1935)**  
Professor of Speech  
Ph.D., The University of Wisconsin
- Frank J. Holmes (1962)**  
Professor of Psychology  
Ph.D., New York University
- F. Louis Hoover (1944)**  
Director of Museums, Distinguished Professor of Art  
Ed.D., New York University
- Clifford Emory Horton (1923)**  
Professor of Health and Physical Education for Men  
Ed.D., Indiana University
- Verna A. Hoyman (1946)**  
Assistant Professor of English  
M.A. in Ed., Northwestern University



- Ruth C. Huggins (1937)**  
Associate Director of University High School, Assistant Professor of the Teaching of English  
Ed.M., Harvard University
- Elizabeth A. Hughes (1954)**  
Assistant Professor of Special Education  
M.Ed., Wayne State University
- Lucile Hyneman (1959)**  
Assistant Professor of English  
A.M., Columbia University
- Christine P. Ingram (1949)**  
Professor of Education  
Ed.D., New York University
- Leslie M. Isted (1940)**  
Professor of Music  
Ph.D., Indiana University
- Harry O. Jackson (1955)**  
Assistant Professor of Biological Sciences  
M.S. in Ed., Illinois State University
- Marie Jessa (1946)**  
Assistant Professor of Business Education  
M.A., The University of Iowa
- Blossom Johnson (1945)**  
Acting Chairman of the Department of Home Economics, Professor of Home Economics  
Ed.D., University of Missouri
- Eric H. Johnson (1958)**  
Vice President, Professor of Educational Administration  
Ed.D., University of Illinois
- Anna L. Keaton (1937)**  
Dean of Women, Professor of English  
Ph.D., The University of Chicago
- Ellen D. Kelly (1957)**  
Professor of Health and Physical Education for Women  
Ph.D. State University of Iowa
- John A. Kinneman (1927)**  
Professor of Sociology  
Ph.D., Northwestern University
- Homer T. Knight (1957)**  
Professor of Education  
Ed.D., Teachers College, Columbia University
- Harold F. Koepke (1934)**  
Professor of Management  
Ph.D., The University of Iowa
- Ernest M. R. Lamkey (1927)**  
Professor of Biological Sciences  
Ph.D., University of Illinois
- Thomas J. Lancaster (1919)**  
Associate Professor of Education  
A.M., The University of Chicago
- Arthur H. Larsen (1935)**  
Distinguished Professor of Higher Education, Consultant for Institutional Studies  
Ph.D., The University of Wisconsin at Madison
- Margaret Lawrence (1939)**  
Assistant Librarian, Assistant Professor of Library Science  
M.A., The University of Nebraska
- Elden A. Lichty (1945)**  
Professor of Education  
Ed.D., University of Missouri
- Lois Lilly (1957)**  
Assistant Professor of Elementary Education  
Adv. Cert. in Ed., University of Illinois
- Harry D. Lovelass (1946)**  
Professor of Education  
Ed.D., University of Illinois
- William R. Lueck (1936)**  
Professor of Education  
Ph.D., The University of Iowa
- Hattie C. Lundgren (1955)**  
Assistant Professor of Home Economics  
M.S., Iowa State College
- Faye E. Mansfield (1941)**  
Assistant Professor and Supervising Teacher in Metcalf  
M.A., Teachers College, Columbia University
- Helen E. Marshall (1935)**  
Professor of History  
Ph.D., Duke University
- J. Louis Martens (1947)**  
Professor of Botany  
Ph.D., Indiana University
- Stanley S. Marzolf (1937)**  
Distinguished Professor of Psychology  
Ph.D., The Ohio State University
- Inez L. Mauck (1951)**  
Assistant Professor of Elementary Education  
Professional Diploma, Teachers College, Columbia University
- Blanche McAvoy (1926)**  
Professor of the Teaching of Biological Sciences  
Ph.D., The University of Chicago
- Clyde T. McCormick (1944)**  
Head of the Department of Mathematics, Professor of Mathematics  
Ph.D., Indiana University
- Neva McDavitt (1929)**  
Assistant Professor of Geography  
A.M., Clark University
- Dorothy M. McEvoy (1950)**  
Assistant Professor and Supervising Teacher  
M.A., Teachers College, Columbia University
- Ferne Melrose (1928)**  
Recorder  
B.Ed., Illinois State University
- Winifred S. Metzler (1947)**  
Assistant Professor and Assistant Librarian in University High School  
A.M., The University of Chicago
- Marion G. Miller (1937)**  
Professor of Art  
Ph.D., The Ohio State University
- S. Duncan Miller (1964)**  
Assistant Professor of Music (University High School)  
M.M., Eastman School of Music
- Robert V. Mitchell (1968)**  
Dean of the College of Business, Professor of Business Administration  
Ph.D., University of Illinois
- Vesta Myrick (1960)**  
Assistant Manager in Housing and Executive Assistant  
A.B., Florida Southern College  
Deceased, December, 1974
- Helen M. Nance (1954)**  
Professor of Elementary Education  
Ph.D., The Ohio State University
- Jean E. Nelson (1962)**  
Assistant Librarian, Assistant Professor of Library Science  
A.M., University of Illinois
- Burton L. O'Connor (1937)**  
Professor of Health and Physical Education for Men  
Ed.D., The Pennsylvania State University
- Alice R. Ogle (1932)**  
Assistant Professor and Supervising Teacher of Art  
M.A., Teachers College, Columbia University
- Mary M. Packwood (1961)**  
Associate Professor of Art  
Ed.M., University of Missouri
- Edwin A. Payne (1952)**  
Assistant Professor of Psychology  
M.Ed., University of Missouri  
Deceased, August, 1974
- Henri R. Pearcy (1940)**  
Associate Professor of European History  
Ph.D., The University of Chicago
- Harlan W. Peithman (1937)**  
Professor of Music  
Ed.D., Teachers College, Columbia University
- Margaret K. Peters (1930)**  
Professor of Business Education  
Ed.D., University of Colorado
- Genevieve Anna Pohle (1923)**  
Assistant Professor and Assistant Librarian  
M.A., Graduate Library School, The University of Michigan
- H. Earle Reese (1958)**  
Professor of Insurance  
Ed.D., George Peabody College for Teachers
- Josephine Ross (1926)**  
Assistant Professor of Home Economics  
M.A., Teachers College, Columbia University
- Elizabeth Russell (1935)**  
Assistant Professor of Elementary Education  
M.A., Teachers College, Columbia University
- Cecilia Lauby Ryan (1949)**  
Chairman of the Department of Professional Laboratory Experiences, Professor of Education  
Ed.D., Indiana University
- Grace Rebecca Shea (1927)**  
Assistant Professor and Nurse, Laboratory Schools  
M.A., Teachers College, Columbia University
- Alice Sheveland (1942)**  
Assistant Professor and Supervising Teacher in Metcalf  
M.A. in Ed., Northwestern University
- Eunice Speer (1944)**  
Associate Professor of Information Sciences  
M.S., University of Illinois
- Ethel G. Stein (1944)**  
Assistant Professor of Education  
M.A., Northwestern University
- Ruth Stroud (1930)**  
Assistant Professor of the Teaching of English  
M.S., University of Illinois
- Edwin G. Struck (1935)**  
Assistant Professor of Health and Physical Education for Men  
M.S., Indiana University
- Thalia J. Tarrant (1935)**  
Assistant Professor of History  
A.M., University of Missouri
- Lucy L. Tasher (1935)**  
Professor of History  
Ph.D., The University of Chicago
- Herman R. Tiedeman (1946)**  
Director of Test Service, Professor of Psychology  
Ph.D., The University of Iowa
- Kirby Todd (1964)**  
Lecturer in Health and Physical Education for Women  
M.A., Teachers College, Columbia University
- Lewis R. Toll (1947)**  
Acting Dean of the College of Business, Professor of Business Education  
Ed.D., New York University
- Mary C. Towle (1961)**  
Coordinator of Residence Hall Libraries, Instructor in Education  
M.A., Teachers College, Columbia University
- Raymond Tudor (1948)**  
Assistant Professor of English  
M.A., The University of Michigan
- Josephine B. Voorhees (1950)**  
Assistant Professor and Supervising Teacher in Metcalf  
M.A., Michigan State University
- Francis M. Wade (1947)**  
Assistant Librarian, Assistant Professor of Library Science  
M.A., University of Washington
- Eleanor Weir Welch (1929)**  
Director of Libraries, Associate Professor  
M.S., School of Library Service, Columbia University
- Margaret M. Westhoff (1933)**  
Assistant Professor of Music  
M.S., Northwestern University  
Deceased, July, 1974
- Harriet R. Wheeler (1946)**  
Assistant Professor of Business Education  
M.A., The University of Iowa
- William V. White (1934)**  
Director of University Press, Executive Assistant  
M.S. in Ed., Illinois State University
- Jennie Alma Whitten (1919)**  
Professor of Foreign Languages  
Ph.D., The University of Wisconsin
- Lela Winegarner (1933)**  
Coordinator of Foreign Student Services, Assistant Professor of English  
A.M., The University of Chicago
- Ethel Wooley (1957)**  
Assistant Professor and Supervising Teacher in Metcalf  
M.A., George Peabody College for Teachers
- Ruth V. Yates (1935)**  
Associate Professor of Speech  
M.A., Teachers College, Columbia University
- Lyle M. Young (1952)**  
Professor of Music  
Ed.D., Columbia University
- Orville L. Young (1939)**  
Professor of Agriculture  
Ph.D., The Pennsylvania State University
- Ruth Zimmerman (1935)**  
Assistant Librarian, Assistant Professor of Library Science  
M.A., University of Minnesota

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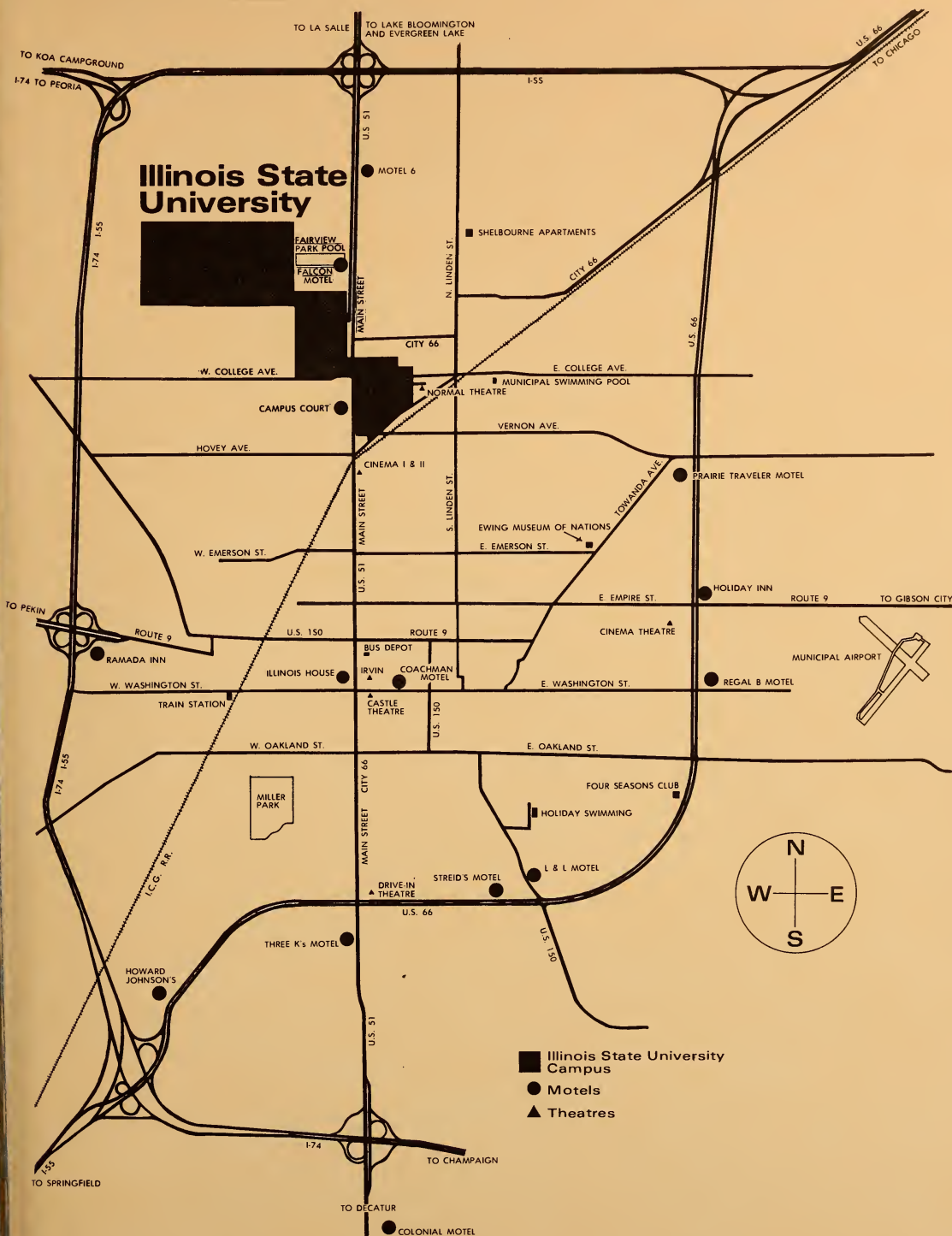
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